

HOME[®] SECURE **PRO**

Brugermanual



Modelnummer: HS-PRO-01

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Introduction

1

HomeSecure PRO 868MHz is the latest development in HomeSecure's alarm selection. Communication between the alarm panel and sensors runs on 868MHz frequency, which ensures optimal reach and stability.

Setup is done on the alarm panel LCD display and the whole system is ready for use quickly and easily. The sensors can be divided into inner and outer **zones** for home arming. When the alarm is triggered, the alarm panel will send SMS and call and the built-in siren will sound with 85dB.

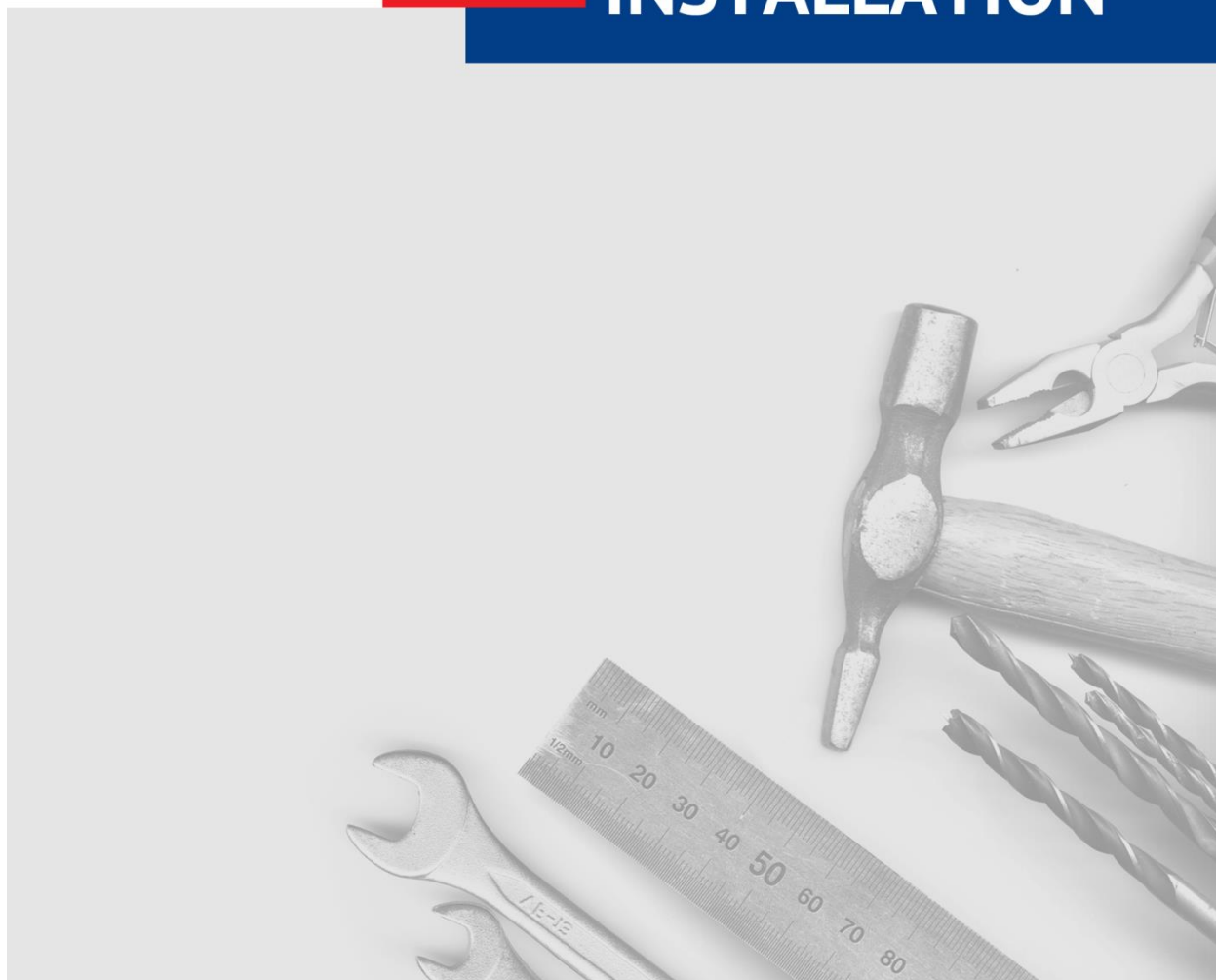
The HomeSecure PRO alarm introduces a series of new and advanced functions to the HomeSecure selection. It is possible to create four user access codes, as well as temporary code, duress code, etc. There are built-in tamper switches on the alarm panel that will trigger alarm when the panel is taken down and/or opened. You can receive SMS notice for low battery on sensors and sensor loss. The alarm will tell you if a door or window is open when you arm the system. Please see below for a comprehensive list of functions.

1.2 Functions

- Up to 10 contact numbers. 2 admin numbers, 4 SMS numbers and 4 call numbers
- 8 access codes: 1 installation code, 1 master code, 1 temporary code, 1 duress code and 4 user codes – they can all be named, so you can see who operates the system
- Wireless frequency: 868MHz
- Connect up to 32 wireless sensors – they can all be named, so you can see which sensor that has triggered alarm
- 2 inputs for wired sensors
- Connect up to 6 remote controls
- TFT LCD menu screen with intelligent voice guide
- Periodic sensor supervision
- Door/window open reminder when arming
- Use PSTN or GSM (if landline is disconnected, GSM will take over automatically) for alarm calls and SMS for alarm messaging
- Event log with the 255 latest events
- Built-in tamper switch inside and outside
- Built-in siren (85db), it is possible to connect one wired siren and up to three wireless sirens
- Controllable PGM output – turn on/off with App/SMS or use preprogrammed parameters



INSTALLATION



Quick Guide

Follow this procedure to get started quickly with your HomeSecure PRO alarm system.

Prepare the Alarm Panel

1 Insert SIM card



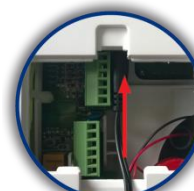
2 Attach wired devices



3 Connect backup battery



4 Connect power supply



Start up and Registering Sensors and Remote Controls

5 Start the alarm panel

1. Set Date
01/01/2000
2. Set Time
00:00

6 Register sensors

1. WL. Zone 1
60 s

7 Register remote controls

1. Keyfob 1
60 s

Test and Installation

8 Test GSM Signal

7. GSM/CDMA Test
Signal Strength(0-31)
21

9 Install the alarm panel



10 Test wireless signal

TX Testing • • • 600S

11 Install Sensors



12 Walk test

Walk Testing • • • 600S
1. WL. Zone 1
2. WL. Zone 2
3. WL. Zone 3
4. WL. Zone 4
5. WL. Zone 5
6. WL. Zone 6

Settings and Operation

13 Set phone numbers

1. Voice Phone Set
1. Voice Phone 1
2. Voice Phone 2
3. Voice Phone 3
4. Voice Phone 4

14 Set access codes

3. Code Set
1. Master Code
2. Installer Code
3. Duress Code
4. Temp. Code
5. User Code 1
6. User Code 2

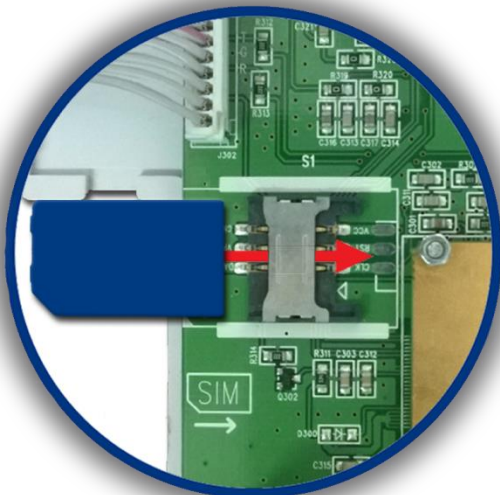
Prepare the Alarm Panel

3.1 Open the Alarm Panel and Insert SIM card



Press down on the two lock on the top side of the panel and pull the front and back parts apart.

You must insert a SIM card in order for the GSM and SMS functions to work. AC power and battery must both be disconnected for secure operation. Push the SIM card all the way in with the metal part facing down.

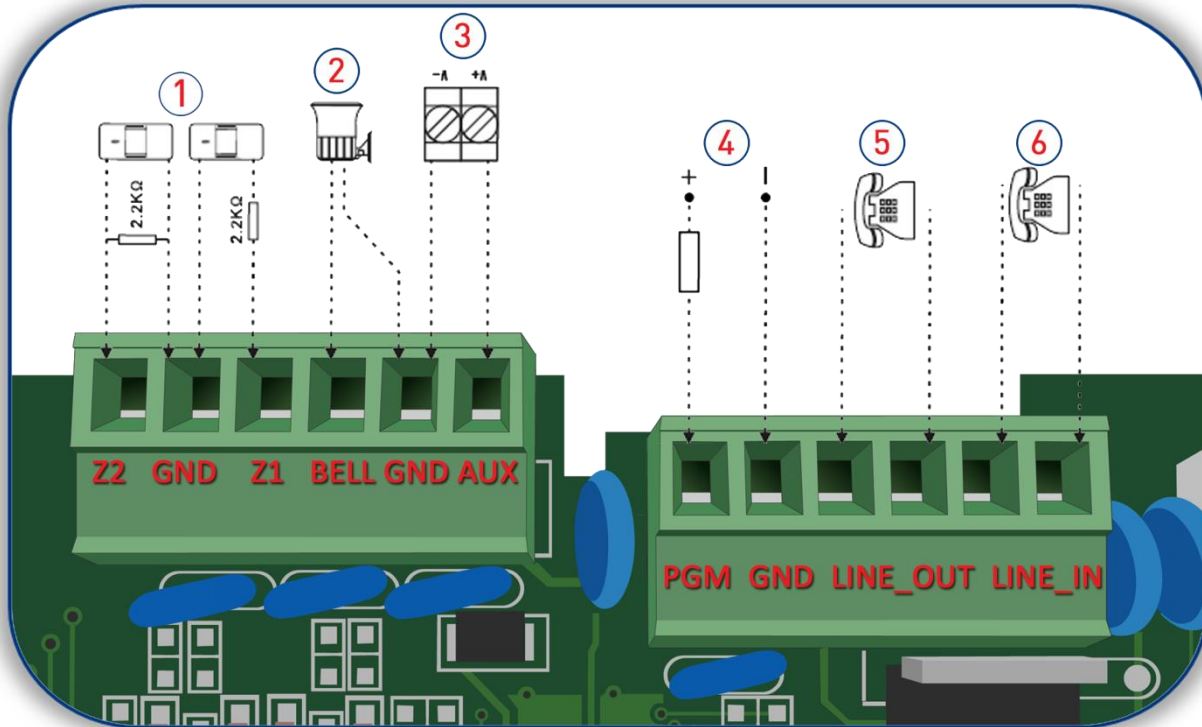


It is important that PIN code request and voice mail are both disabled on the SIM card.

If these are not disabled, the alarm panel cannot use the SIM card to access the GSM network.

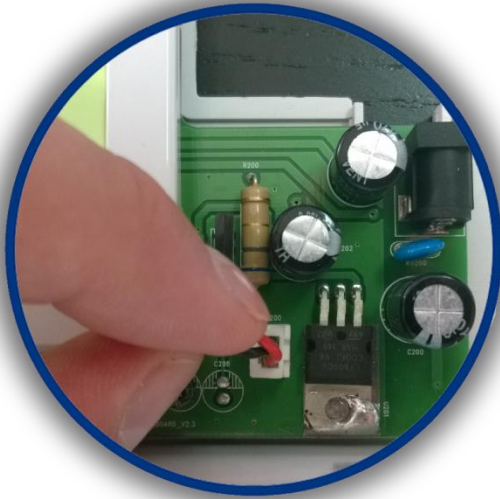
3.2 Connect Wired Devices

If you have any wired devices you wish to connect to the alarm panel, they must be connected to the green cable joints inside the alarm panel. See below for an overview of the two cable joints.



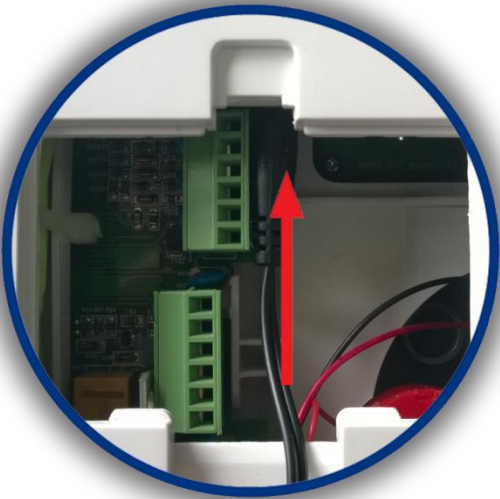
- 1** Input for wired sensors. Connect one wire to Z1/Z2 and the other wire to GND. If the sensors is connected as NC (normally closed), one of the included 2.2KOhm resistors must be serially connected. If the sensor is connected as NO (normally open), the resistor must be connected in parallel.
- 2** Output for wired siren. Connect the power wire to Bell and GND. The siren will beep once when power is connected to the panel. Max. load: 400mA/DC12V.
- 3** AUX power output. Supplies power to wired sensors that need it. Max. Load: 100mA/AC10-12V (AC6-8V if the alarm panel is running on backup power).
- 4** PGM connection. Controllable output. You can turn it on/off depending on predefined parameters or by using App/SMS (see more in 14.1 PGM Output Settings). Max. load: 500mA/DC50V.
- 5** Land line output. Connect the telephone cable from your telephone to this output.
- 6** Land line input. Connect the telephone cable from the wall to this input.

3.3 Connect Backup Battery



Connect the wire coming out from the battery to the white plug on the circuit board. Make sure to press it all the way down, but avoid using too much pressure.

3.4 Connect Power Supply



Close the alarm panel and connect the AC power supply to the plug right above the green cable joints.

NOTE: There is a plug for the power supply, do not cut the wire.

Start up and Register Devices

4.1 Start Up

After connecting power supply and backup battery, the alarm panel will automatically turn on. The siren will beep and the voice guide says: "Welcome to intelligent alarm system". First you must set date and time:

The alarm system will keep track of time as long as it is connected to a power supply. If power is disconnected, the clock will reset and has to be set again. See below:

The icon will move to next input automatically after each input. When you are finished, press [#] to confirm. If you press [*] during setting, "invalid set" will appear on the screen. Press [*] to try again.

1. Set Date
01/01/2000
2. Set Time
00 : 00

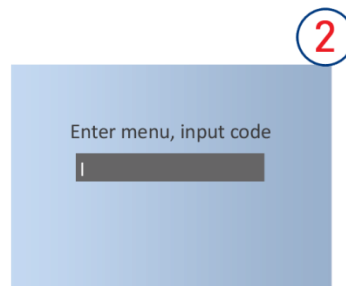
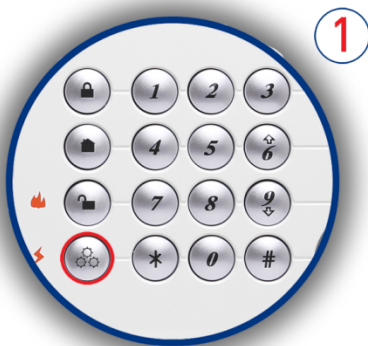
You now arrive at the alarm system's main screen:


Disarm
20 / 12 / 2010
15 : 30

From this screen you can access the programming menu:

Menu Operation

Use the installation code to access the programming menu. It is 1234 as standard. We highly recommend that you change all codes after setup.



1. While the alarm is disarmed, press the menu button on the panel .
2. The voice guide will say "Enter password before setting the parameters". Input the installation code and finish with [#]. If the alarm says "wrong password", press the open pad lock and input code 0808 and start again from 1.
3. Now you are in the installation menu where all settings are made.
Arrows [6] and [9] navigates up and down, [#] means confirm/enter and [*] mean cancel/go back.

Before the alarm panel can react to sensors, the sensors must be registered on the alarm panel. The sensors send a wireless signal when they are triggered. This wireless signal must be registered on the alarm panel for it to recognize it.

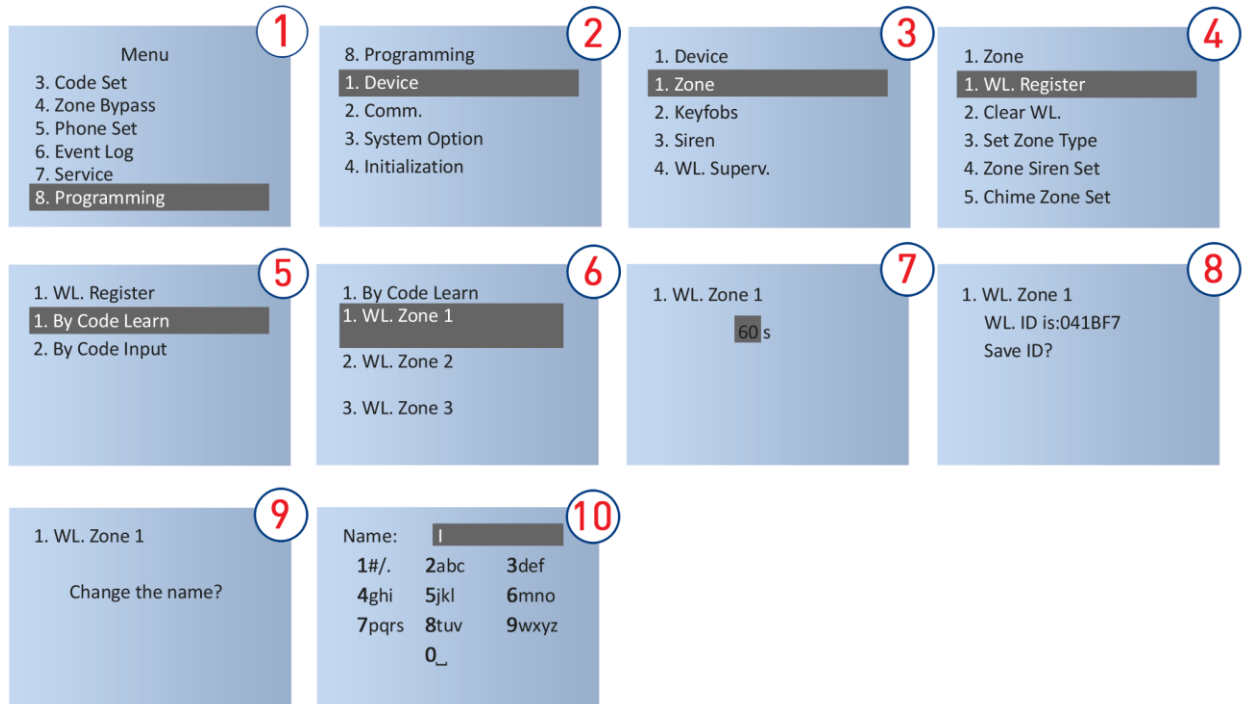
4.2 Register Sensors to the Alarm Panel



Register the sensors before installing them. This will make the whole process easier.

Make sure to only register one sensor at a time!

Follow the procedure below to register each wireless sensor:



Use the navigation buttons and [#] to get to ⑥. You now have 60 seconds to trigger the sensor you want to register. Simply trigger the sensor and the alarm panel will register it. When you get to ⑧, save the sensor by pressing [#]. Now you can name the sensor. Press [#] at ⑨ and type the name you want using the number keys (like an old fashioned SMS message).

Choose [2. Clear WL.] at ④ to clear sensors.

Door/window sensor:

Open the back side of the sensor and remove the plastic strip by the battery. Move the magnet close to the right side of the base and move it away to trigger and register.

Motion Detector:

Insert all batteries and put the sensor back in the box. Wait 10-15 minutes and take the sensor out of the box to trigger and register.

Note, the motion detector has a so-called detection interval of 5 minutes, read more about it in [5.5 Install Motion Detector].



If you try to register a sensor that is already registered, the voice guide will indicate it is already registered. If the signal is in a wrong format, the voice guide will say "Wireless Transmission Received".

If no signal is received within the 60 seconds, the voice guide will say "Enrolling Failed".

You must register each sensor in order for the alarm panel to recognize the wireless signal. Each sensor has a unique encrypted ID code, which the alarm panel can only recognize once the sensor is registered.



Remember to set Zone Type for each sensor right after registering them. See [4.3 Zone Types] on the next page.

4.3 Zone Types

You must set a zone type for each registered sensor. The zone type will define different parameters for the sensor. See the table below for an overview.

There are eight zone types: Activity zone, perimeter zone, panic zone, fire zone, gas zone, tamper zone and duress zone (only for the duress code, see more in [6 Phone Numbers and Access Codes])

Overview of zone types

Zone Type	Disarmed	Arm Away	Arm Stay	Exit Delay?	Entry Delay?	Siren and Flash?	Sensor Placement	Type Number
Entry/exit zone	Off	On	On	Yes	Yes	Yes	Entry door(s)	01
Activity Zone	Off	On	Off	Yes	Yes	Yes	Indoor	02
Perimeter Zone	Off	On	On	No	No	Yes	Window	03
Panic Zone	On	On	On	No	No	Yes	Panic button	04
Fire Zone	On	On	On	No	No	Yes	Smoke sensor	05
Gas Zone	On	On	On	No	No	Yes	Gas sensor	06
Tamper Zone	On	On	On	No	No	Yes	Tamper switch	07
Duress Zone	On	On	On	No	No	No	Duress code	08

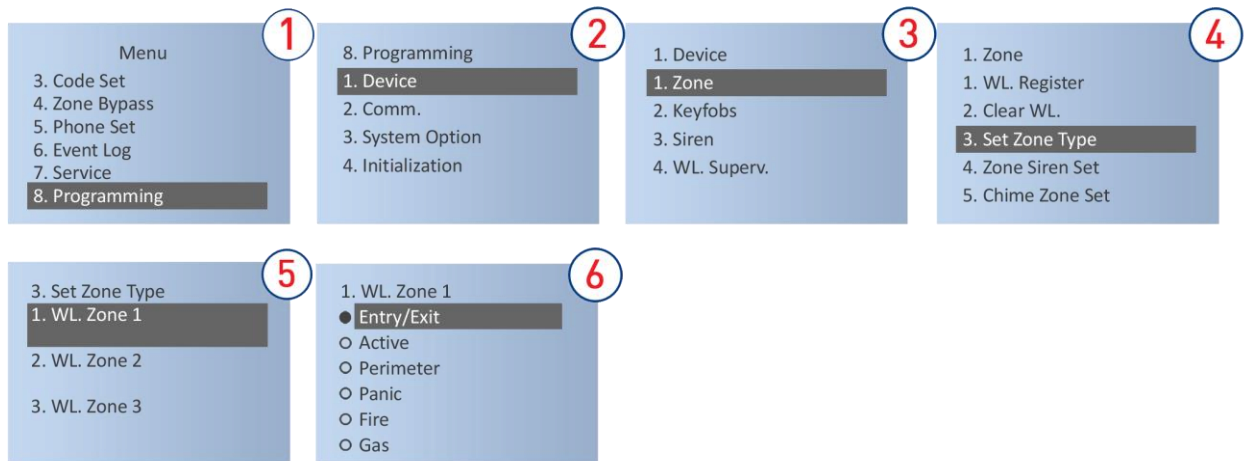
Normally you should set all motion detectors to the activity zone, so they will be deactivated the alarm system is set to arm stay. Doors you want to have delay on should be set to entry/exit zone, while doors and windows you wish no delay on should be set to perimeter zone.

4.3.1 Set Zone Type

Follow the procedure below to set zone type for each sensor.

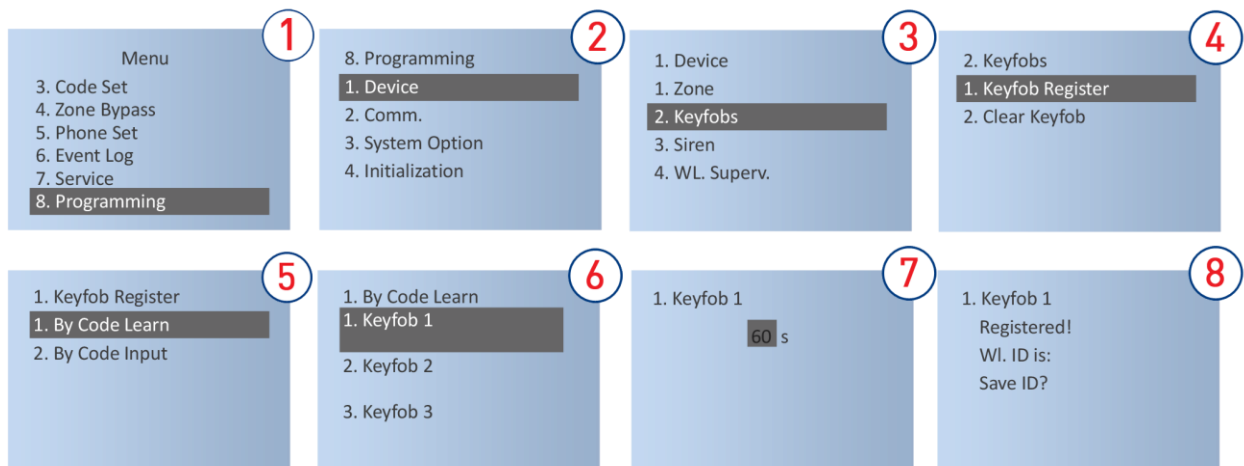



Remember to set zone type for ALL sensors! If you do not set zone type for all sensors, the alarm system will not function optimally.



4.4 Register Remote Controls

Remote controls are registered in the same way as sensors.



Press the panic button () on the remote after ⑥ within the 60 seconds to register the remote. Save by pressing [#] at the end. You can also delete remote controls. Choose [2. Clear Keyfob] in ④.

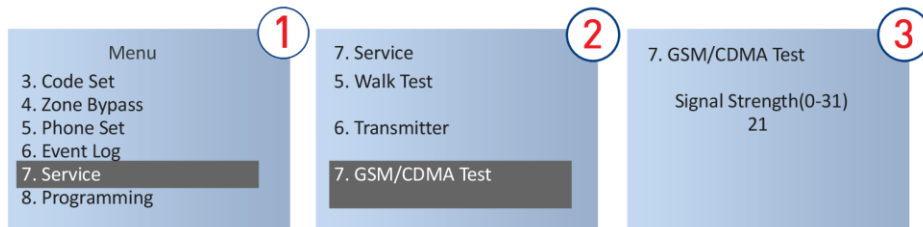
Test and Installation

5

It is important to carry out the tests described in this section before installing the alarm panel and sensors permanently. Follow these procedures to test the placement of the alarm panel and the sensors and then install all units.

5.1 GSM Test

Test the strength of the GSM signal where you are planning to install the alarm panel. The alarm panel communicates via the GSM network, so it is important that it is stable. Follow this procedure to test:



Signal strength is measured on a scale from 0-31. 31 strongest. The signal strength should be over 12 to ensure stable GSM communication.

5.2 Install the Alarm Panel

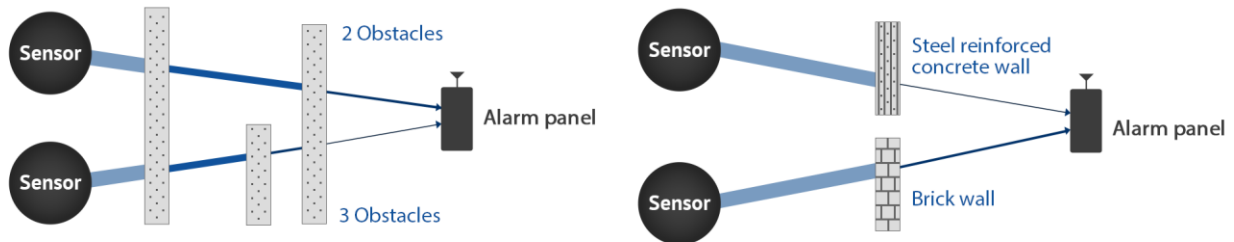
Use the drilling template and drill four holes in the wall. Hang the alarm panel directly on the screws. There is a tamper switch on the back of the alarm panel. Make sure it is completely compressed, when hanging on the screws. If the alarm panel is removed from the wall, the tamper switch will trigger alarm.



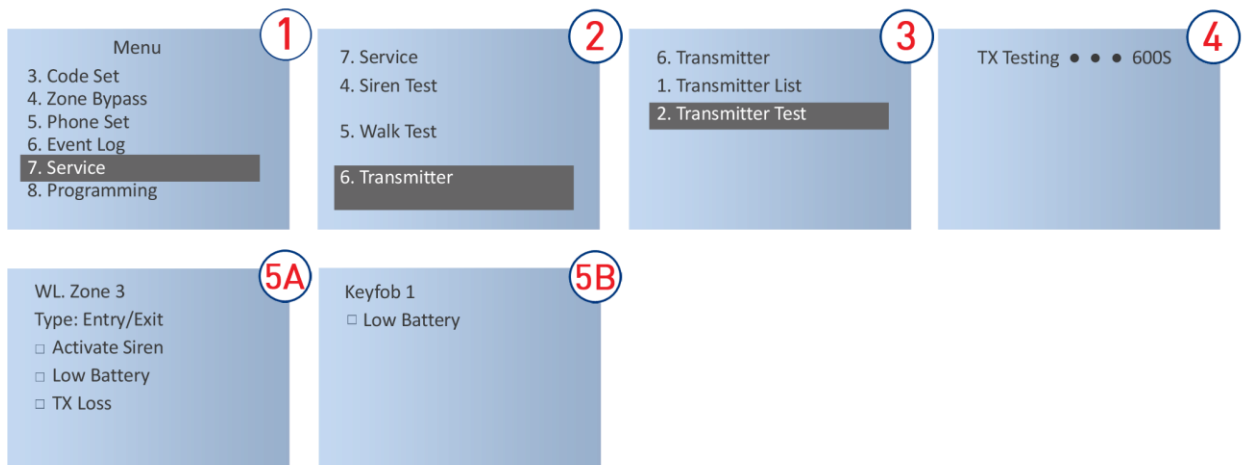
The tamper switch on the backside must be COMPLETELY compressed to avoid false alarms. The tamper switch is inactive for 3 hours after starting the alarm system to avoid accidentally triggering the alarm.

5.3 Signal Test

Before installing the sensors permanently, it is important to make sure that they can communicate with the alarm panel. Distance and walls will weaken the wireless signal reach. In normal houses, the reach is about 30 meters, but make sure using the signal test before installing.

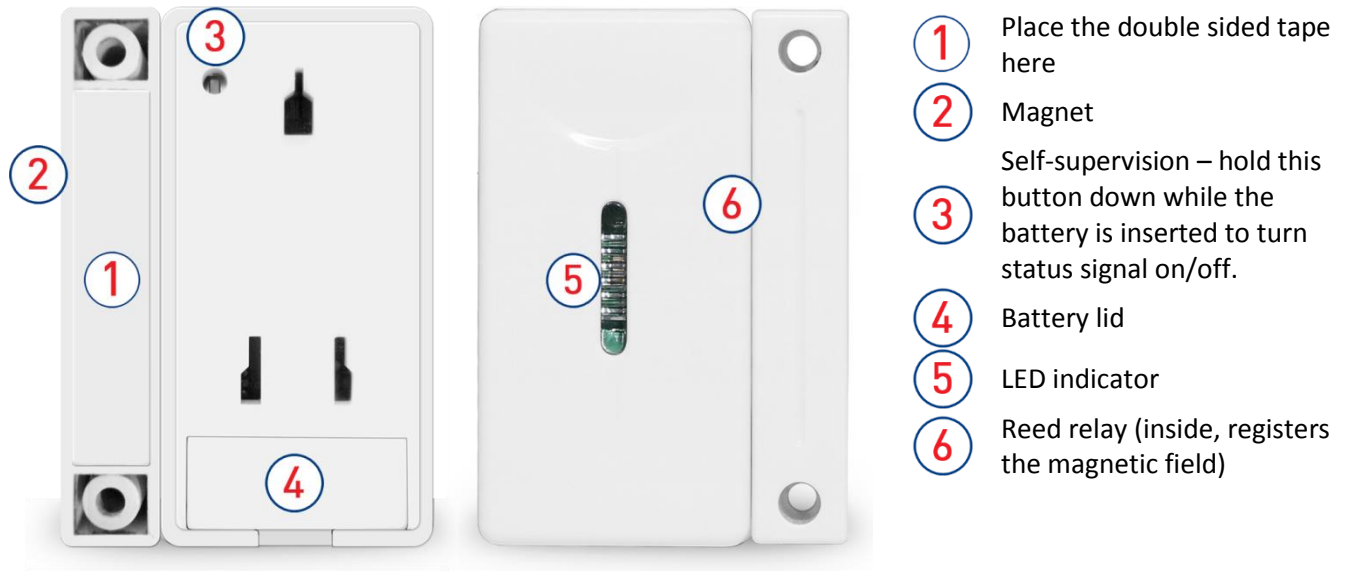


Follow this procedure to test all sensors one by one at the place where you plan to install the sensor. After ⑤ you have 300 seconds to trigger the sensor. When the signal is received, the alarm panel display will show information about the sensor. If the alarm panel receives signal from a sensor, that is not yet registered, it will show unknown signal. Press [*] to finish the test.



⑤A and ⑤B are examples of what information will be shown for sensors and remote controls.

5.4 Install Door/window sensor

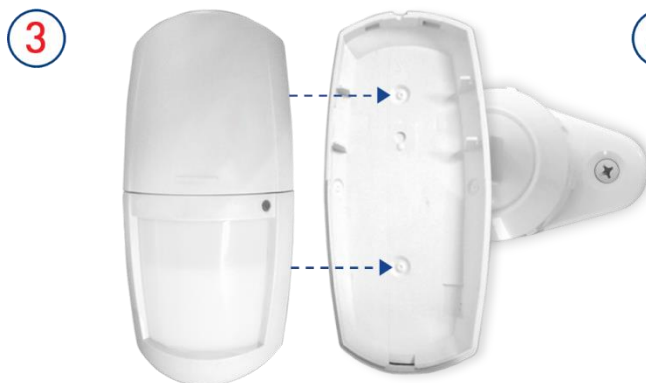
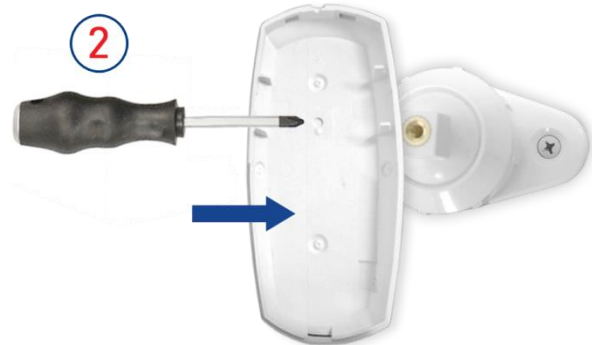


Base and magnet should be installed maximum 5 mm apart. The magnet can be placed at a 90-degree angle in front of the base but never more than 5 mm away.

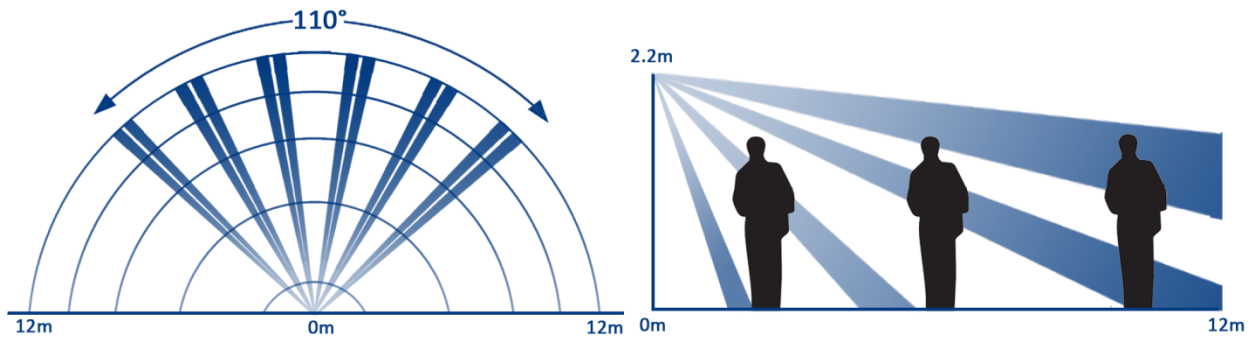
5.5 Install Motion Sensor:



- 1 Tamper switch. If the back panel is removed, the switch triggers alarm.
- 2 Self-supervision – hold this button down while the battery is inserted to turn status signal on/off.
Detection interval:
TEST: Sensor triggers with no interval
- 3 5MIN: The sensor "rests" for 5 minutes after triggering once to save battery
- 4 LED on or off (saves battery).
- 5 Internal antenna
- 6 Battery lid
- 7 LED indicator. Blinks when there is activity and lights constantly when low battery.
- 8 Sensor surface (note: Is divided for pet immune sensors).



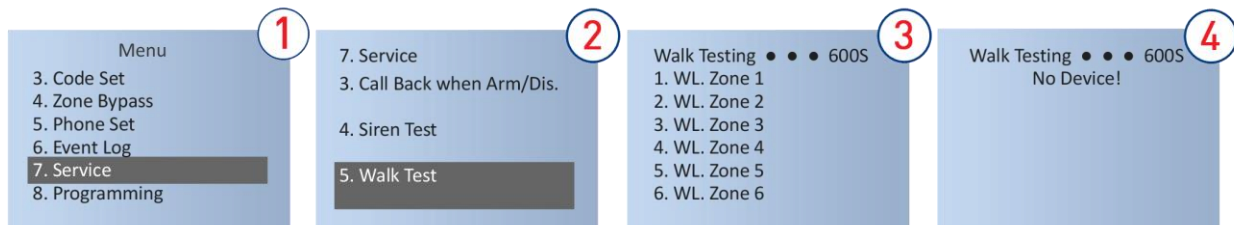
The motion detector should be installed at 1.8 to 2.2 meters height and point slightly downwards. Pet immune sensors should be installed at 1.8 meters height.



Use the 5MIN detection interval described on the last page to save battery. If the sensor detects movement, it takes 5 minutes before it can detect movement again. Use TEST instead to have it detect continuously but note the extra battery use.

5.6 Walk Test

The last test we recommend that you carry out is the walk test. This test will ensure that all sensors are working properly. Make this test right after installing all devices and also with regular intervals after installation. At ③ all registered sensors are shown. Trigger them one by one (remember the 5 minutes interval on the motion detectors). When the alarm panel receives the signal from a sensor, the sensor will be removed from the list.



When the list is cleared and it says "No Device!", the test has been completed and the alarm system is functioning properly.



The walk test will run for 10 minutes max. Press [*] to finish the test.

Phone Numbers and Access Codes

6.1 Set Access Codes



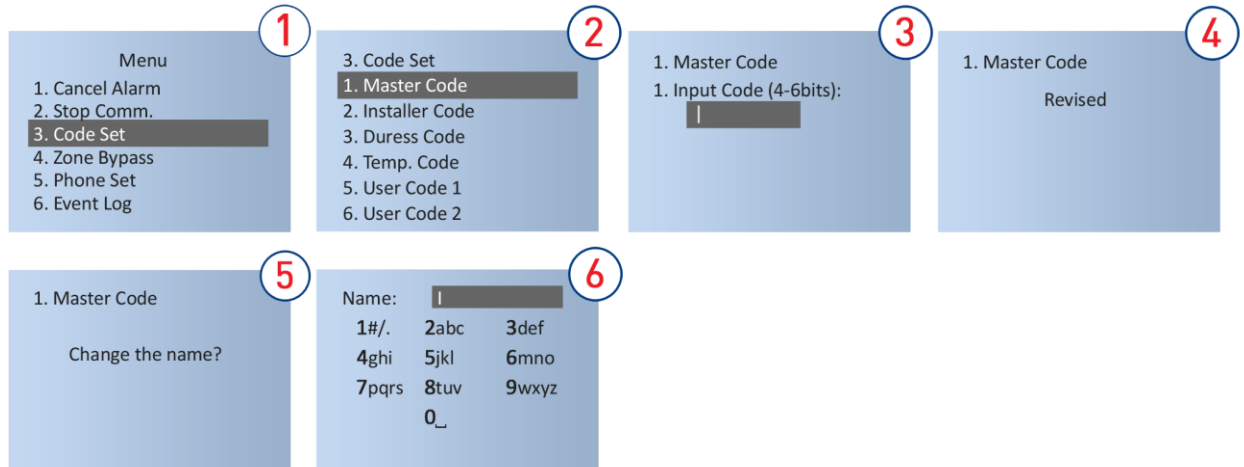
We highly recommend that you change all access codes from the standard ones once the installation is complete.

There are five types of access codes: Master code, installation code, duress code, temporary code and user code (x4). Each code type has different functions. As standard, only the master code, installation code and duress code are set. You must create the remaining codes to be able to use them. See the table below for an overview of the code types, and what you can do with each of them:

Kodetype	Arm/disarm	Enter PROG	Code set	"PROG" in main menu	Editable	Deletable	Standard code
Master	Yes	Yes	Yes(1)	Nej	Yes	No	0808
Installation	Nej	Yes	Yes(2)	Yes	Yes	No	1234
Duress	Yes	No	No	No	Yes	No	0809
Temp.	Yes	No	No	No	Yes	Yes	
User 1	Yes	No	No	No	Yes	Yes	
User 2	Yes	No	No	No	Yes	Yes	
User 3	Yes	No	No	No	Yes	Yes	
User 4	Yes	No	No	No	Yes	Yes	



- (1) All codes except the installation code can be changed with the master code.
- (2) Only the installation code itself can be changed with the installation code.



Input the new code at ③ followed by [#]. The code must be between 4 and 6 numbers. Same procedure is used for all codes, simply choose the code to edit/create in ②. All codes can be named in the same way as sensors.

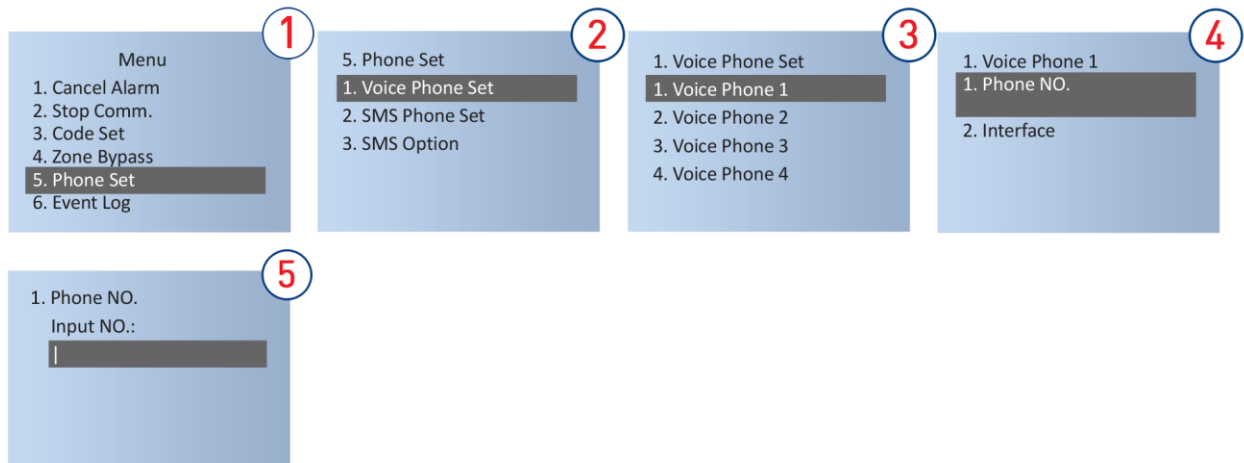
NOTE: To change the installation code, you have to use to installiopn code to enter the menu from the start screen. To change all other codes, you must use the master code to enter the menu.

6.2 Set Phone Numbers

Phone numbers can be set to be personal phone numbers for SMS and calls. The alarm system will send SMS and call when alarming. You can set up 4 numbers for calling and 6 numbers to receive SMS. To of the SMS numbers are reserved for administrator, the remaining 4 are normal users.

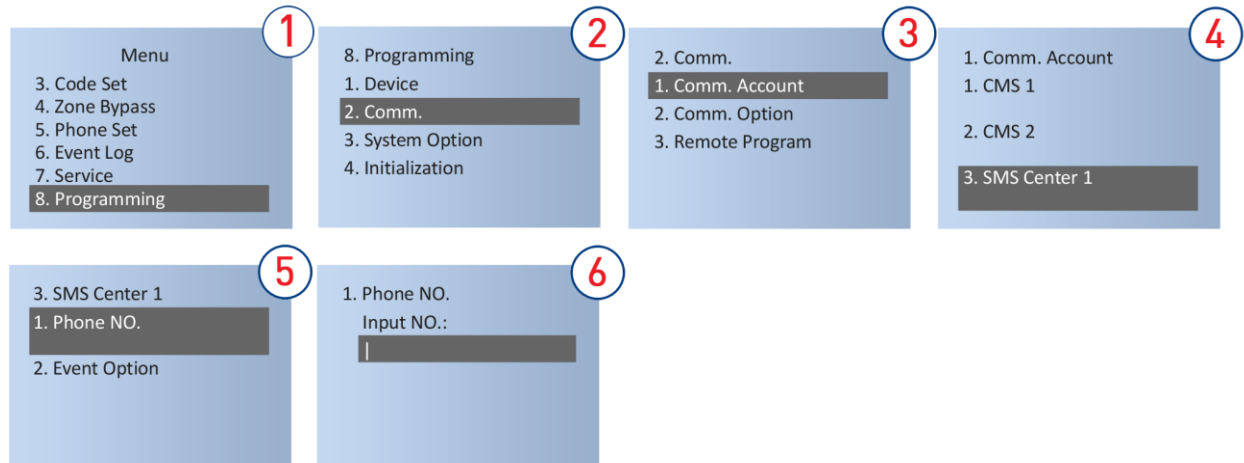
6.2.1 Call Numbers

You can add, edit or delete numbers to call when the alarm is triggered.



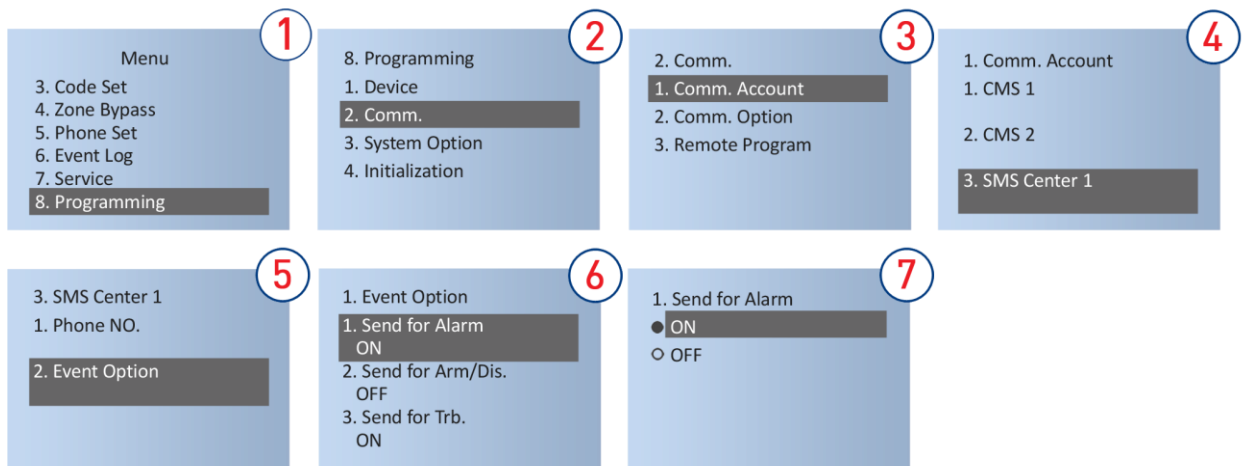
6.2.2 Administrator SMS Number

Under SMS Center it is possible to create two extra SMS numbers that can be set individually. We recommend that you save your own phone number here and set it up to receive SMS for System Trouble (low battery on sensors, power failure, zone loss, etc.), and when the alarm is armed and disarmed. In this way only you will receive SMS for these events.



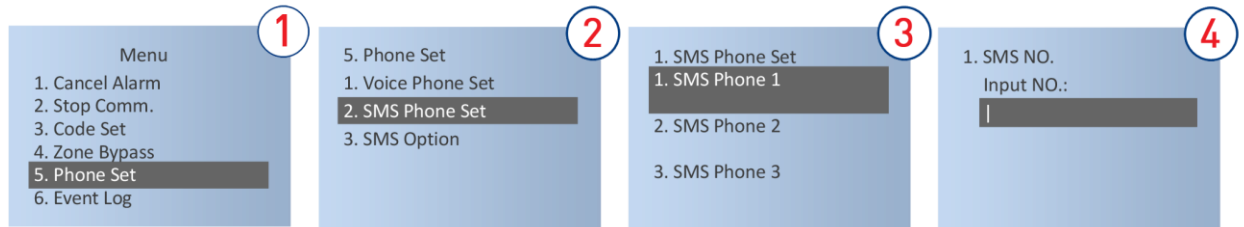
6.2.3 Options for Administrator Number

You can receive SMS for: Alarm, arm/disarm, system trouble and service info. The alarm panel with standard send SMS for all above events, but each can be disabled as shown here:



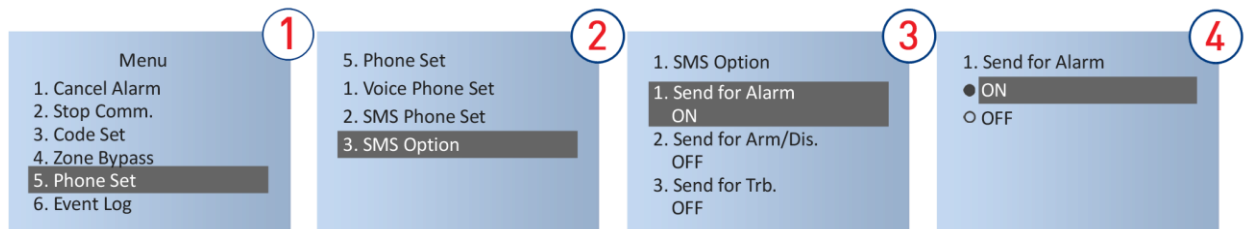
6.2.4 SMS Phone Numbers

In the same way as for call phone numbers, you can setup up to 4 phone numbers that the alarm system will send an SMS to when the alarm is triggered. Input the phone numbers for each [SMS Phone 1-4].



6.2.5 SMS Options

You can choose for which events the alarm panel will send SMS to the SMS phone numbers. For alarm, arm/disarm and system trouble. Choose ON or OFF for each.













BETJENING



Operating the Alarm System

7.1 Alarm Panel Front Layout



- | | |
|---|---|
| <p>1 Power LED: Red means AC power is disconnected. Green means power supply is normal.</p> <p>2 Arm LED: Red means armed, green means disarmed.</p> <p>5 Keypad:</p> <ul style="list-style-type: none">  Press to arm the alarm system.  Press to arm stay the alarm system.  Press to disarm the alarm system. Hold for 2 secs to trigger fire alarm.  Menu button. Hold for 2 secs to trigger panic alarm. | <p>3 Alarm LED: Red when alarm is triggered. Slow blink means CMS call. Off during normal operation.</p> <p>4 Signal LED: Red, slow blink mean normal GSM connection.</p> <ul style="list-style-type: none">  When operating menu: Go back/cancel.  When operating menu: Enter/confirm.  When operating menu: Navigate down.  When operating menu: Navigate up. |
|---|---|

Key pack back lighting: Press any button to turn on back lighting. After 30 seconds of inactivity, the lighting will turn off.


7.2 Arm/Disarm with Keypad or Remote Control

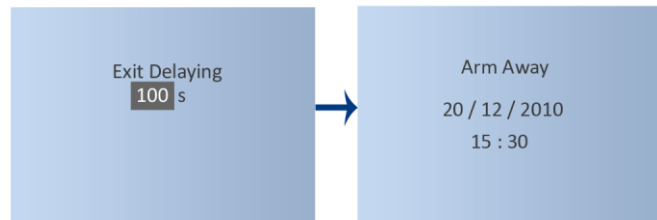
The alarm system can be armed, disarmed, arm stayed and panic triggered on the keypad or remote control.



Note! You can only use the master code, user codes and temporary code to arm and disarm the alarm system. The Installation code can only be used to program the alarm system.


7.2.1 Arm away

From the main screen, press [Arm away] on the alarm panel keypad or on the remote control (). Status LED will change from green to red while the voice guide says, "Arm away, close door and window, exit delay starts". When exit delay ends, the voice guide will say, "Armed away!" LCD display shows the following:




7.2.2 Arm stay

Sensors in the active zone will not trigger alarm during [Arm stay], but sensors in all other zones will trigger alarm.

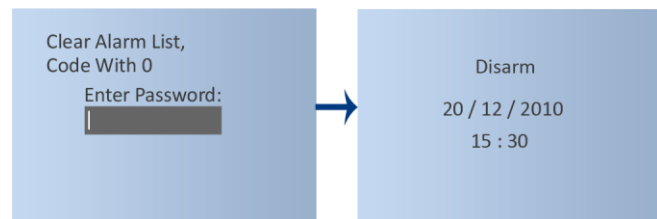
If you press the [Arm stay] button on the keypad or the remote control () while the alarm system is disarmed, the Status LED will change from green to red. Voice guide will say, "Arm stay", and the LCD displayed shows:



7.2.3 Disarm

Press the disarm button () on the remote control to disarm directly.

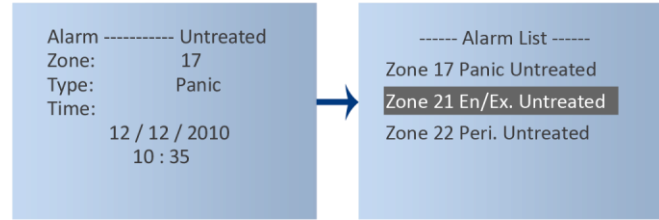
Press disarm on the keypad and the voice guide says "Enter password, add 0 to delete the event log!" Input the access code (not installation code) and end with [0] and [#] to delete the alarm log. Arm LED changes from red to green and the voice guide says, "Disarmed, alarm log eliminated!"



The event will be saved in the event log if you DO NOT press [0] after the code (ie. only [#]).


7.2.4 Alarm Log

Alarm events are shown in the main menu of the display. Use navigation buttons to move through the alarm events and press [#] to see details for each alarm event. Press [*] to exit.

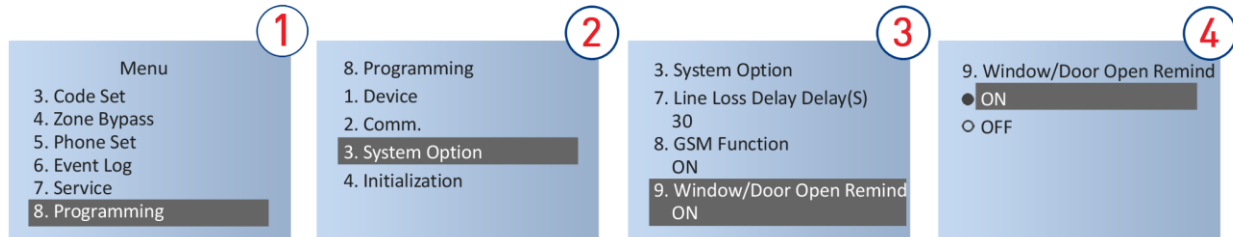


If the alarm system is disarmed with a [0] after the code, the alarm log will be cleared. For example, if you disarm the alarm system by pressing 08080 (the standard master code +0). If the alarm is disarmed without [0] after the code, the alarm event is saved in the alarm log with the suffix [Treated]. [Untreated] means the alarm system is not disarmed while alarming.

7.3 Open Door or Window Reminder

If you try to arm the alarm system, while a door or window with a sensor is open, the voice guide will indicate this by saying "Window or door is open". At the same time, a [System Trouble] will appear on the display. Press  to see which door/window sensor is open. All phone numbers that are set to receive SMS for [System Trouble], will receive an SMS with the content "Door Open". This function is ON as standard.

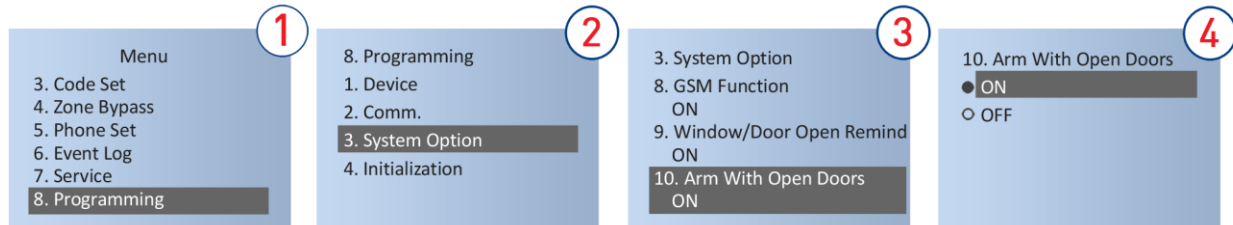
To set the function [ON]/[OFF]:



7.3.1 Arm with Open Doors

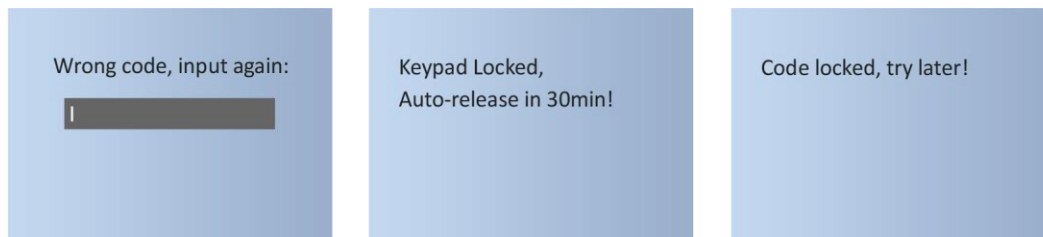
If you want to arm the alarm system in spite of having open doors or windows, you must set this function to ON (standard). If the function [Arm With Open Doors] is set to [OFF], it will not be possible to arm the alarm system before all doors and windows have been closed. When you attempt to arm the alarm system, the voice guide will say, "Window or door is open. Arm fail."

To set the function [ON]/[OFF]:



7.4 Keypad Lock

If you input the wrong code 5 times in a row, the alarm panel will be locked. The voice guide says, "Wrong code, please re-input!", and the LCD display shows:



Input correct code.

If you input wrong code 5 times in a row, the alarm panel is locked.

If you attempt to operate the alarm panel while it is locked, the voice guide says, "Access locked, please try later!"

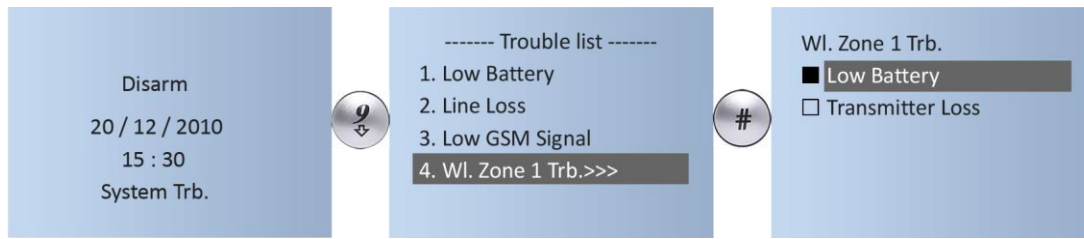
The alarm panel is automatically unlocked after 30 minutes.

If the alarm system is triggered before the 30 minutes run out, it is unlocked so you can input the code to disarm the alarm system.



You can also restart the alarm system by unplugging the power supply and the backup battery to reset access.

7.5 System Trouble

If the alarm system encounters operational issues (called System Trouble), such as sensor low battery, no GSM signal, etc., it will be displayed on the alarm panel as shown below:



System Trouble is indicated on the start screen.

Press  to see the list of system troubles. Press  to see details when possible.



Details for Zone Trouble. It can be either low battery or signal loss.

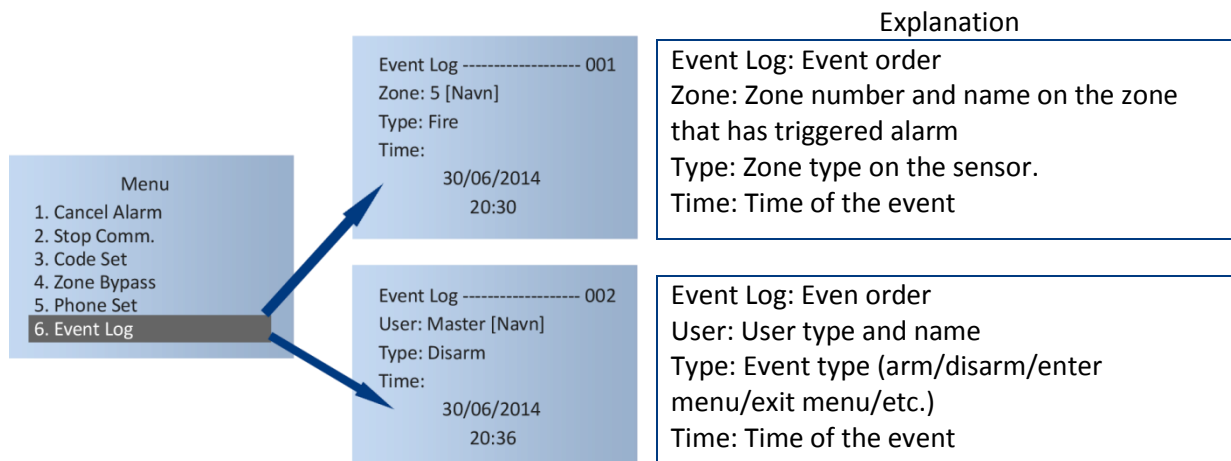
Refer to the list below for description of each System Trouble:

System Trouble		Description	Solution
Low Battery		Problem with power supply or low battery.	Check power supply.
Line Loss		Land line is disconnected.	Check the land line. If no land line is connected, please disable "Line Monitor". See more in section [14.4 Line Monitor] on page 50.
Low GSM Signal		Weak GSM signal.	Choose a better placement for the alarm panel.
Wireless Trouble	Low Battery	Low battery on a wireless sensor.	Change battery.
	Transmitter Loss	No supervision signal is received from wireless sensor.	Check if the wireless sensor has been moved or is broken.
Wired Trouble		Wired sensor has been triggered.	Check if the wired sensor is functioning properly.
AC Failure		Power supply has been disconnected.	Check power supply.
No GSM Module		GSM module has been disconnected because of abnormal power connection.	Disconnect and reconnect the power to the GSM module.
No SIM Card		No SIM card inserted.	Insert SIM card. If SIM card is already inserted, remove the SIM card, restart the panel and insert the SIM card again.
No GSM Signal/No Service		No contact to the GSM network.	Error on SIM card (fx negative balance). Or choose a better placement of the alarm panel.
Time Unset		System time incorrectly set.	Reset the alarm panel and set time.
Communication Trouble	CMS 1 Trouble	Communication error to CMS 1.	Contact CMS provider.
	CMS 2 Trouble	Communication error to CMS 2.	Contact CMS provider.
	SMS Trouble	Error when sending SMS.	Check if SIM card has negative balance.
	Dialling Trouble	1: Receiving phone doesn't reply or is power off.	Pick up or turn on the phone.
		2: Negative balance on SIM card.	Check balance and top up if needed.

7.6 Event Log

The alarm system saves the latest 255 events in the event log. Events refers to alarm events but also all operation of the alarm panel. When the event log is full, it will start deleting from the oldest events.

Follow below procedure to access the event log. Press / to navigate between events. Below examples are for fire alarm and disarm of the alarm system.



7.7 Operation via Call

Call operation enables you to remote control the alarm system by calling it. Simply call the phone number of the SIM card in the alarm panel. You will then be asked to input code (master code or one of the four user codes) followed by #. The voice guide will then prompt you to: "For arm-away, press 1, for arm-stay, press 2, for disarm, press 3. For alarm repeat, press 5, turn-on site siren, press 6, turn-off site siren, press 7, for hang up, please press 0".



If you type on the phone or the alarm panel during playback, there might occur communication error. We recommend that you wait until playback has finished before you type.

Call operation is only possible while the alarm panel is in standby mode.

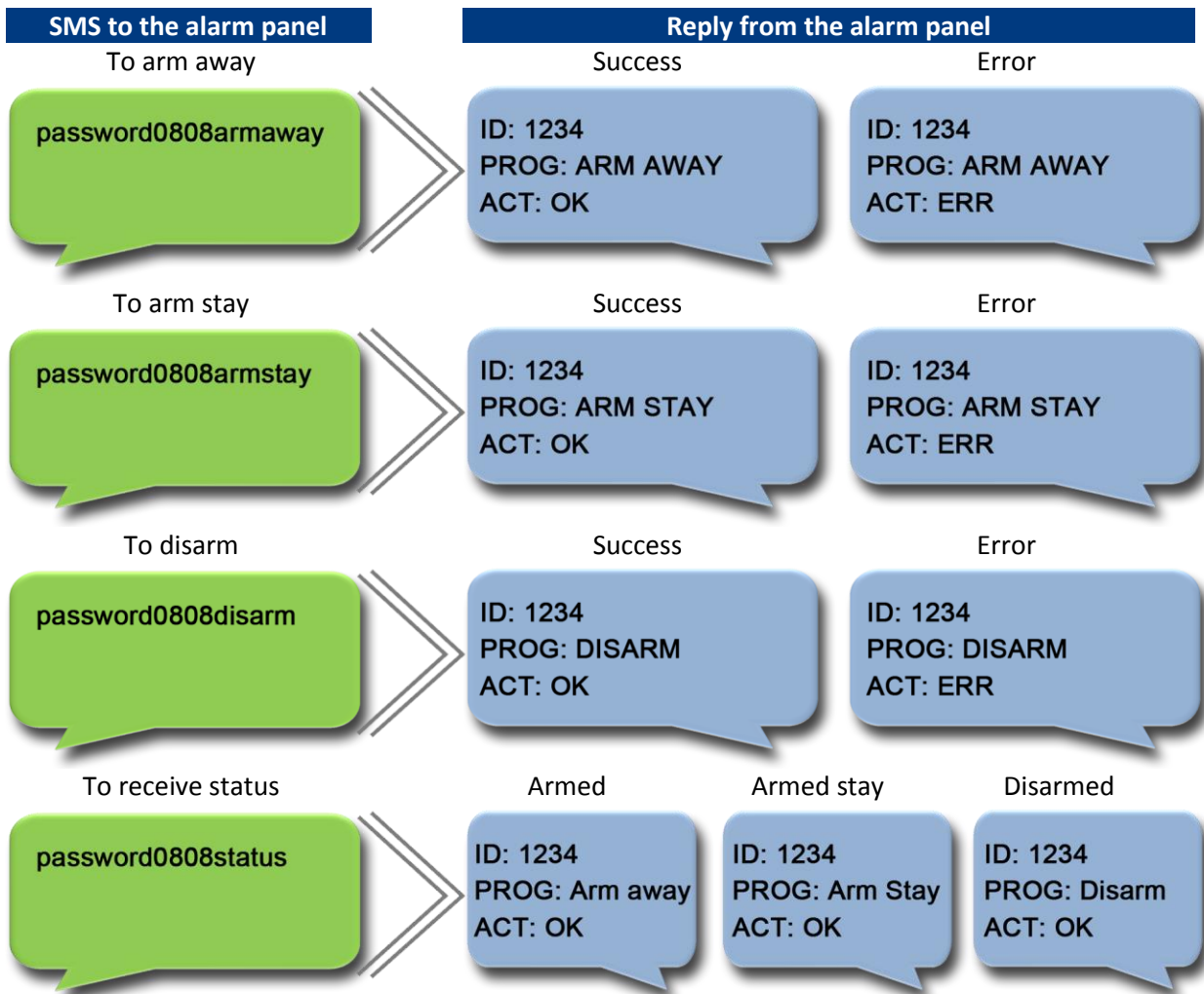
7.8 Remote Control with SMS

You can arm, disarm, home arm and request status SMS by sending an SMS to the alarm panel. Below examples uses the master code 0808 (you can use master code, temporary code and user codes) and panel ID is 1234.



Input the SMS exactly as shown below without spaces. The alarm panel can only be remote controlled while in standby.

All these functions can also be performed from our App for iPhone and Android.



App Operation

8.1 Setup of the HomeSecure 2014 App

Download our App [HomeSecure 2014] from Apple's App Store or from Google Play and install it on your iPhone or Android phone. Follow below instructions to setup the app to communicate with your alarm pane:



- 1** Press the plus to add a new device.
- 2** Choose [HomeSecure PRO V2].
- 3** Name your alarm (only used in the app).
- 4** Input the alarm panel phone number.
- 5** Input alarm system security code (either master code or user code).
- 6** Choose to activate App lock screen or not if you wish to lock the profile with a password. Input password.
- 7** Press [OK] to access the app main menu.

You are now ready to remote operate you HomeSecure PRO alarm with the app



The app sends SMS to the alarm panel from your mobile phone each time you confirm a setting.

You will receive a confirmation SMS from the alarm panel for each setting. Wait with the next setting until you have received the confirmation SMS.

8.2 App Guide

Main screen



- | | |
|--------------|----------------------------|
| 1 Disarm | 5 Go to [General settings] |
| 2 Arm away | 6 Go to [Zone settings] |
| 3 Arm stay | 7 Go to [PGM Output] |
| 4 Get status | |

General settings



- | | |
|-----------------------------|-------------------------|
| 1 Set built-in siren ON/OFF | 4 Set system SMS ON/OFF |
| 2 Set wired siren ON/OFF | 5 Get System Status. |
| 3 Set wireless siren ON/OFF | |

Zone Settings



- | | |
|---|---------------------------------|
| 1 Set each zone ON/OFF (followed by [OK]) | 2 Get zone status for each zone |
|---|---------------------------------|

PGM Output



- | | |
|----------------------|-----------------------|
| 1 Turn PGM output ON | 2 Turn PGM output OFF |
|----------------------|-----------------------|

Alarming

9.1 Alarming

There are two types of alarm: Immediate alarm and delayed alarm.

When the 24-hour zone is triggered, the alarm immediate triggers. 24-hour zones includes: Fire zone, Gas zone, Panic zone, Emergency zone and Tamper zone.



24-hour zones will trigger alarm whether the alarm system is activated or not.

If the alarm system is triggered by a sensor with delay, there will be a voice guidance saying "Alarm, please disarm!" Disarm (disable) before the music stops, then no alarm message will be send. If you disarm after the music stops, then an alarm message will be send. Entry Delay is only valid for entry/exit zones and activity zones.



1. Exit/entry zones will only be triggered with delay in "Arm Away" and "Arm Stay".
2. The activity zone will only be triggered with delay in "Arm Away".
3. If a delayed zone is triggered twice in the same delay, the alarm system is directly triggered.

Various types of alarms and zone types determines the way the alarm system alerts:

Type of alarm	CMS message*	Phone calls	SMS	LED	Siren
Fire zone	Yes	Yes	Yes	On	Noise (adjustable)
Gas zone	Yes	Yes	Yes	On	Noise (adjustable)
Panic zone	Yes	Yes	Yes	On	Noise (adjustable)
Outer zone	Yes	Yes	Yes	On	Noise (adjustable)
Activity zone	Yes	Yes	Yes	On	Noise (adjustable)
Entry/exit zone	Yes	Yes	Yes	On	Noise (adjustable)
Emergency zone	Yes	Yes	Yes	/	No noise
Tamper zone	Yes	Yes	Yes	On	Noise (adjustable)
Line Loss	No	No	Yes	/	No noise
Power failure	Yes	No	Yes	/	No noise
Low battery	Yes	No	Yes	/	No noise
WL. Loss	Yes	No	Yes	/	No noise
Low batt for WL	Yes	No	Yes	/	No noise

* Valid only if you have an alarm system linked to a central CMS.

9.2 Calls when the alarm goes off

By alarm, the alert system will call the specified phone numbers. 5 sec. after the phone is answered there a voice guidance will be played which is repeated 5 times at 5 sec. intervals. Before the voice guidance stops, you can program the alarm system with the phone. Below is a table summarizing the actions you can perform using your phone.

Action	Dial	Action	Dial
Deactivate (Disarm)	3	Activate (Arm Away)	3 to disable followed by 1
Zone settings (Arm Stay)	3 to disable followed by 2	Repeat alarm	5
Siren - Turn off	7	Sirene - Turn on	6 (slukker aut. Efter 10sek)
Hang up	0 (the alarm system DOESN'T call the other phone numbers)		



There may be communication errors if you dial either on your phone or at the alarm panel during the voice guidance. We recommend that you wait until the playback is complete before entering. If the alarm system already is during programming, the call operation is not possible.

9.3 SMS when the alarm goes off

9.3.1 Alarm SMS

The alarm system sends a SMS on alarm and System Trouble to the set telephone numbers. Below are some examples of SMS for alarm, operation, and zone trouble where the alarm panel ID is 1234 (see more about the panel ID on page 59).

SMS message by alarm:

ID: 1234
Zone: 003 Zonenavn
Event: Fire
[2014/07/16 16:14:13]

Zone refers to the zone that triggered the alarm. In this case, zone 3, followed by the zone name.

Event refers to the incident. In this case, a fire alarm has been triggered. For other alarm sources, then it is described which zone triggered the alarm.

SMS message when operating:

ID: 1234
User: 001 Brugernavn
Event: Disarm
[2014/07/16 17:12:45]

User refers to the user who has operated the alarm system. If the alarm panel is operated with the code, and you have named the code, then the name will be displayed in the SMS.

Event refers to whether the alarm system is activated (Arm Away), disabled (Disarm) or is in the zone settings (Arm Stay).

SMS when Zone Trouble:

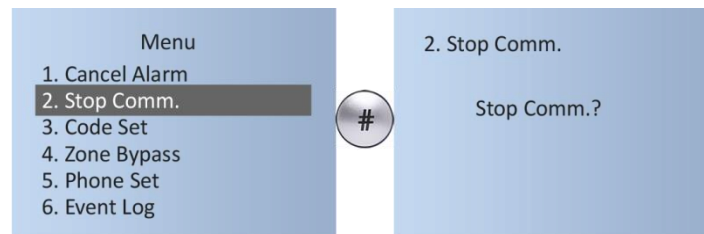
ID: 1234
Zone: 003 Zonenavn
Event: Low battery
[2014/06/13 08:05:12]

Zone refers to the sensor that triggers Zone Trouble (number and name).

Event refers to which System Trouble that is the case. It may be low battery, signal etc. For more information see [7.5 System Trouble (System Error)] on page 30.

9.4 Stop communication

All communication buffers and pending messages are deleted with this action. This function is used eg. by false alarms or the like.





INDSTILLINGER

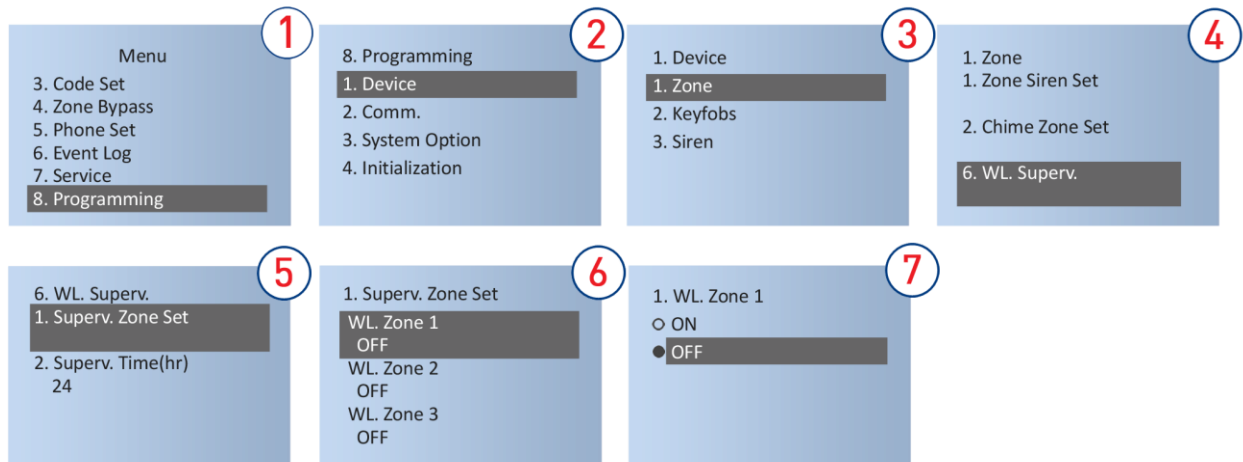


Zone settings

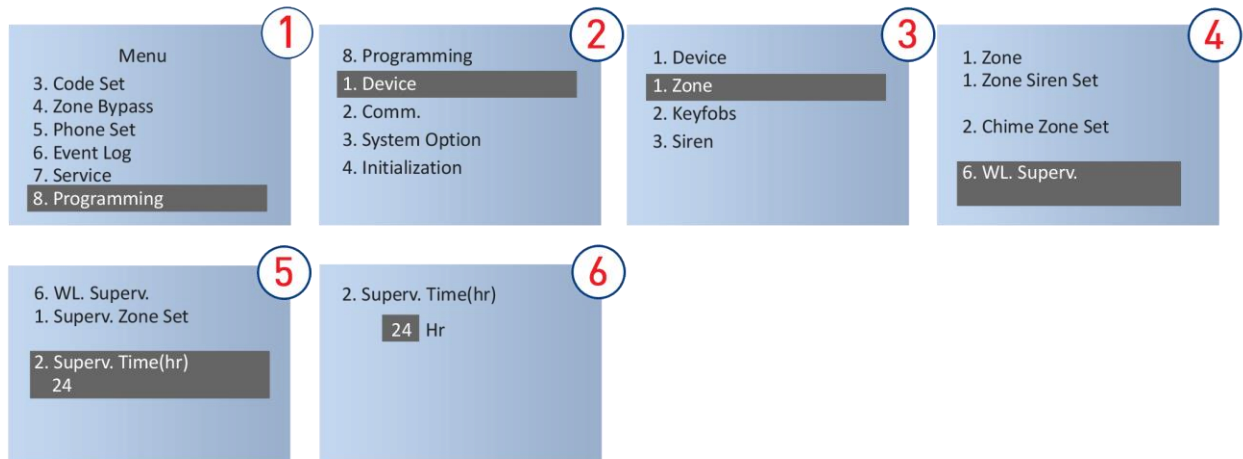
10.1 Wireless zone monitoring

The wireless devices emit a tracking signal to the alarm panel at specific intervals. If the system does not receive this signal the device will be considered as "lost" (loss).

To turn monitoring on or off for each zone:



Set the monitoring interval. The alarm system monitors sensors in this range.



At ⑥, enter the desired monitoring interval in hours (2-99)

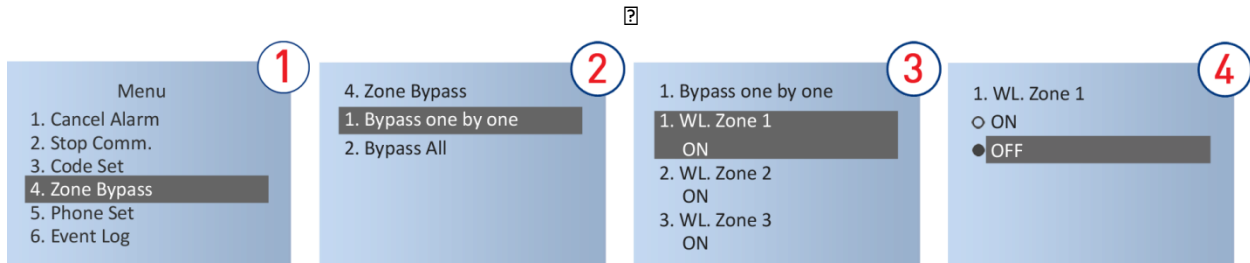


Set the monitoring interval. The alarm system monitors sensors in this We recommend that zone monitoring is plugged in, but it shortens the battery life of the sensors. If you do want to turn it off, Zone Supervision is set to OFF above and the SS signal must be deactivated from physically on the sensors (see sensor manual for details).

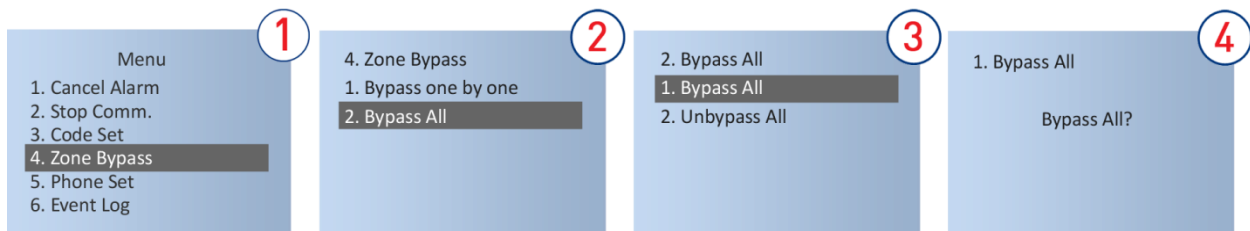
10.2 Zone Bypass

If a zone is bypassed, it is ignored by the alarm system and will not trigger the alarm. You can bypass any or all zones.

In order to bypass the one after the other:

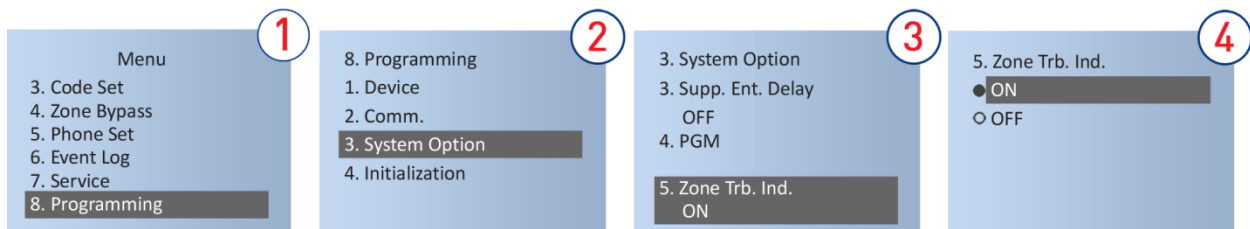


To bypass all zones (that's ALL zones are being bypassed/unbypassed, not just those used):



10.3 Zone Trouble Indicator

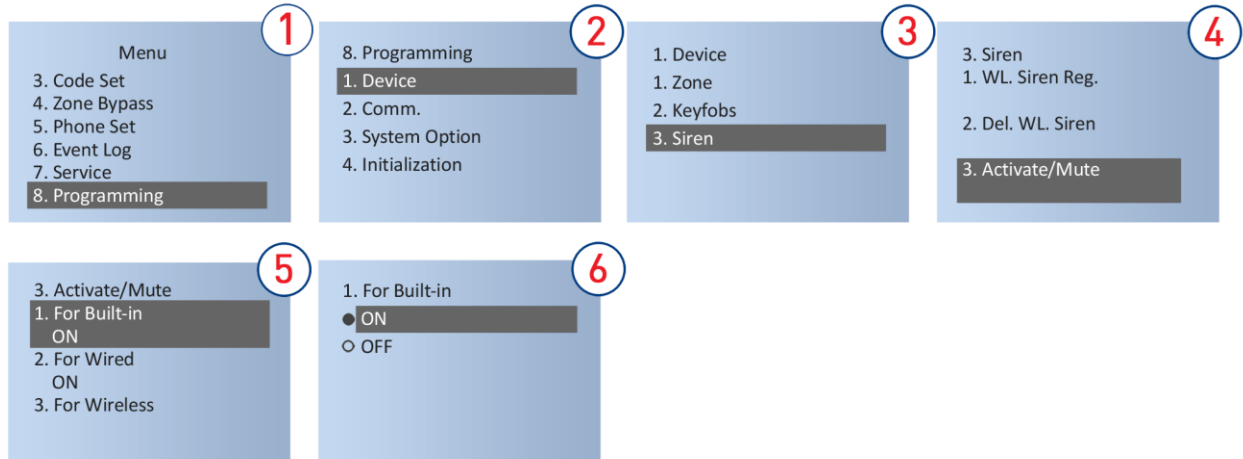
Here you can choose whether you want the "Zone Trouble" to appear in the "System Trouble" list.



Siren- og Sound settings

11.1 Activate/Deactivate the Siren

The siren (the built-in, external wired and wireless sirens) can be turned on or off.

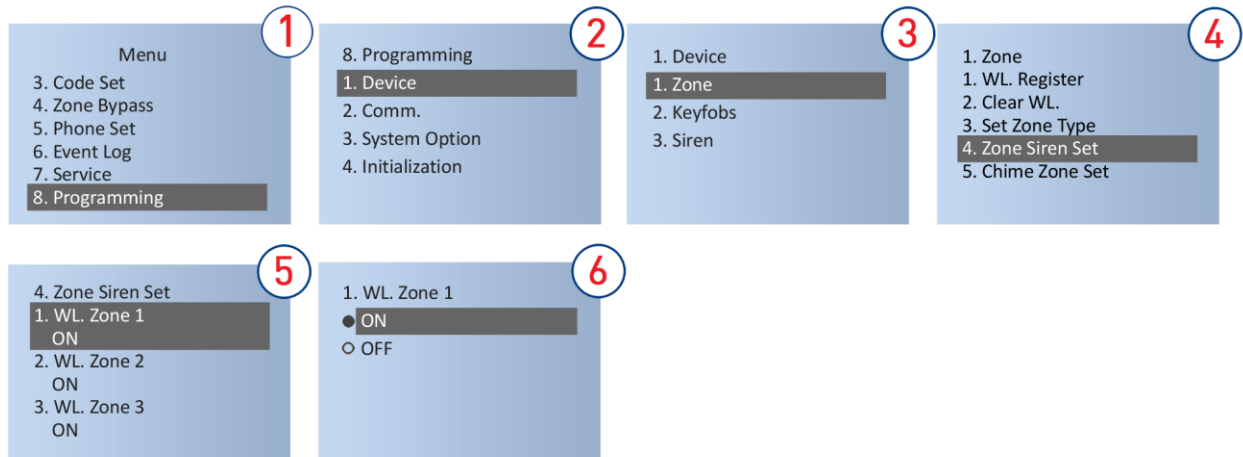


At section 5, choose the siren you wish to activate/deactivate.

11.2 Zone Siren Function

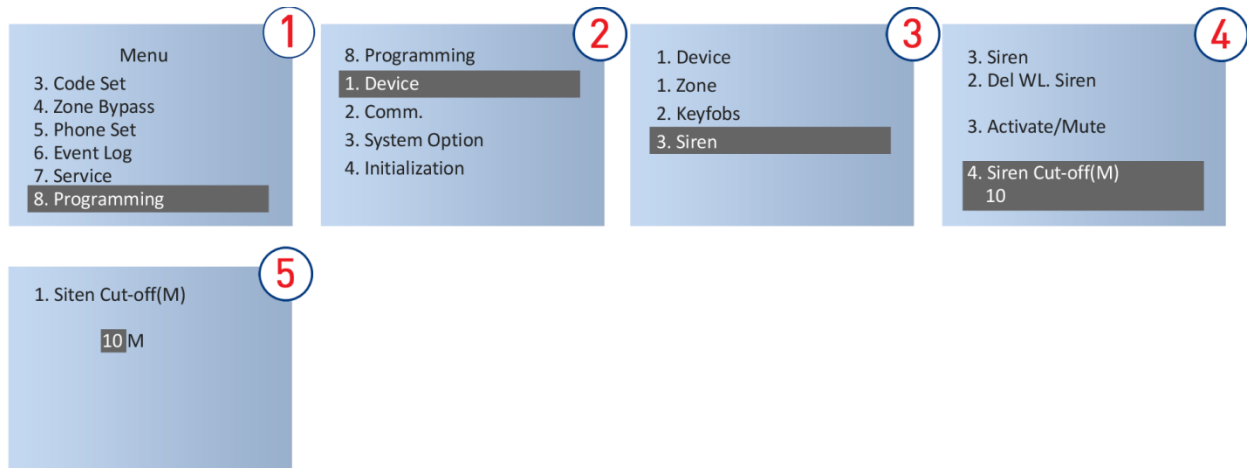
Here it is possible to enable or disable the siren for each zone. When the device in the selected zone triggers the alarm, you can then choose whether the siren will sound or not. This function is possible for the wireless zones 1-16/31-46, the wired zones 21-22 and zone 17 and 19.

To set the siren at the alarm:



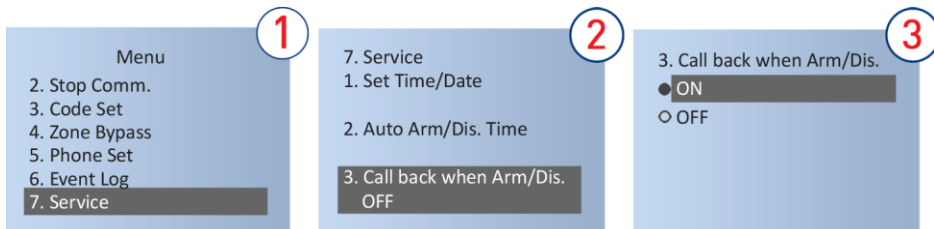
11.3 Siren Duration

Here you can determine how long time the siren should make a noise when the alarm is triggered. It can be set between 0 and 30 minutes.



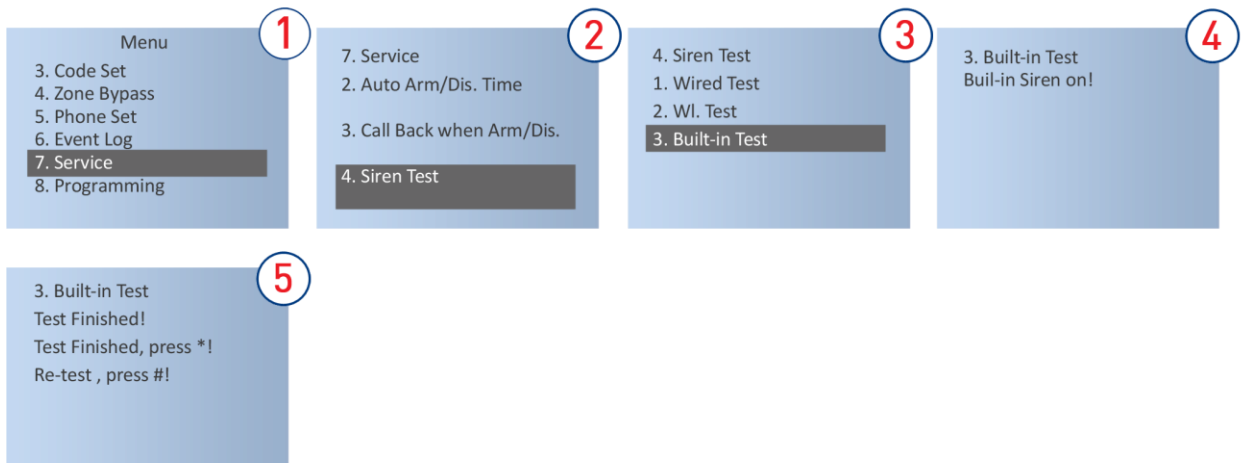
11.4 Siren Confirmation

This feature allows the siren to “beep” when the alarm system is activated or deactivated to confirm the operation. This can be turned on and off as follows:



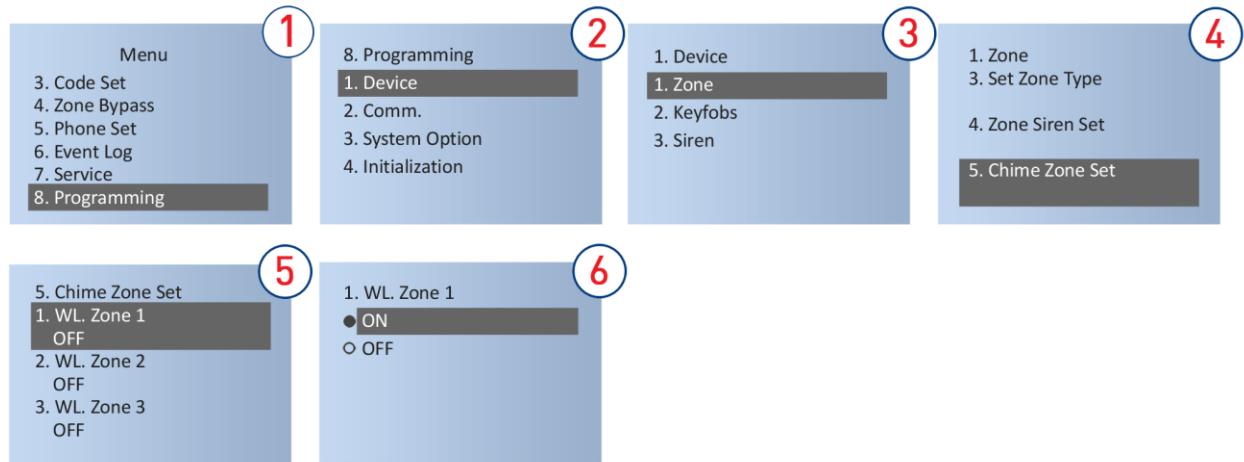
11.5 Siren Test

It is strongly recommended that you test the siren regularly, both the built-in, the wired and the wireless siren if these are connected.



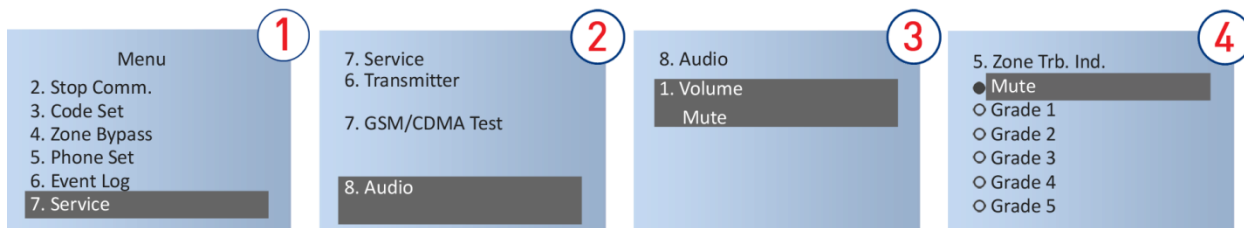
11.6 Chime Zone (Chime function)

If a sensor with the chime feature is triggered while the alarm system is off (disarm), the control panel will make a "ding dong" sound. You will know if someone enters the house while you are away. This function can be turned on and off for individual sensors as follows (by default the function is off on all sensors):



11.7 Volume Settings

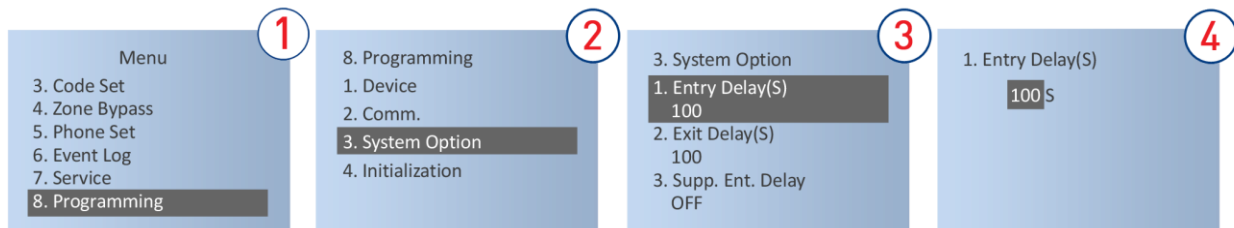
Here you can turn the volume of the alarm panel up and down. This applies to the voice guidance and the various "beeps", but not to the siren. Select [Mute] to turn off the sound.



Delay Settings

12.1 Entry Delay

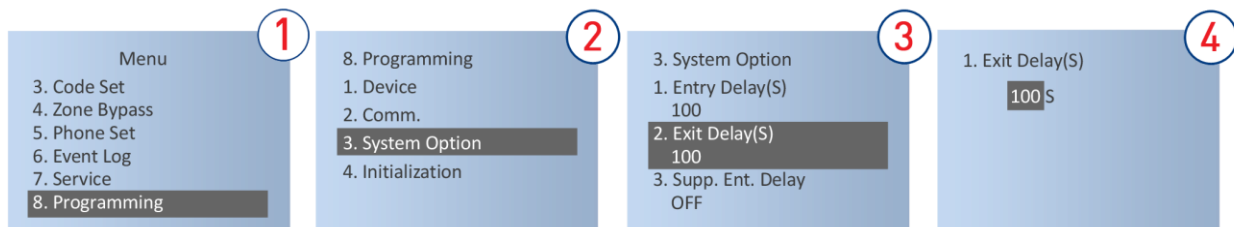
Entry Delay is the period from when you step into a sensor area to the alarm system is triggered. This means, when you walk in through the door, you have this time to deactivate the alarm before it is released.



At **4**, enter the desired delay in seconds (0-300).

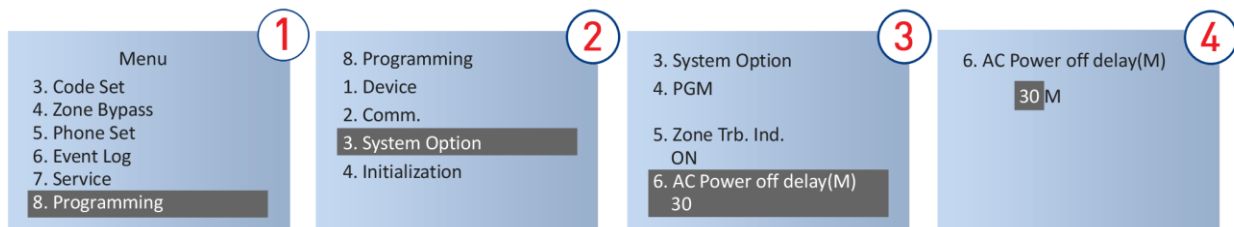
12.2 Exit Delay

Exit delay is the period you have to leave the sensor areas after the alarm system has been activated.



12.3 AC Power Off delay

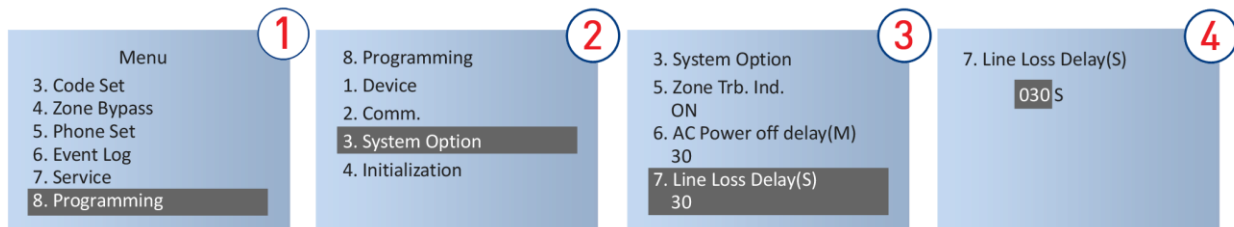
AC Loss Delay is the time that elapses from the power goes out, to the message will be sent accordingly. If power is restored before the delay has expired, there will not be sent any messages. If there is not sent any AC Loss messages, there will be no confirmation that the power is restored.



At **4**, enter the desired delay in minutes (001-255).

12.4 Line Loss Delay

If the fixed line loses its connection, there will be send a message to the CMS. There can be set up delay for this message. If the connection to the fixed network is restored within this delay period, then no messages will be sent to the CMS.

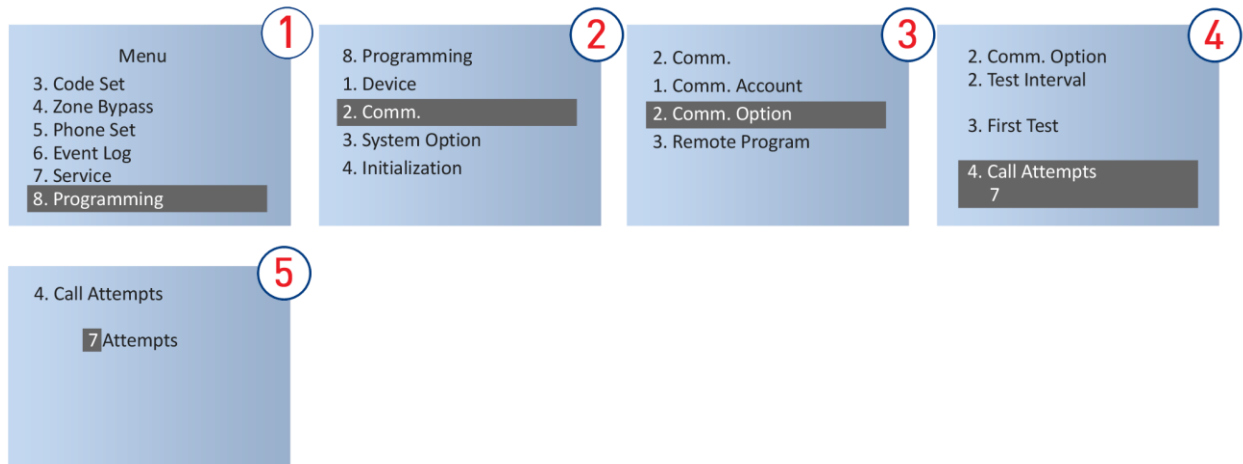


At ④, enter the desired delay in seconds (001-255).

Communication Preferences

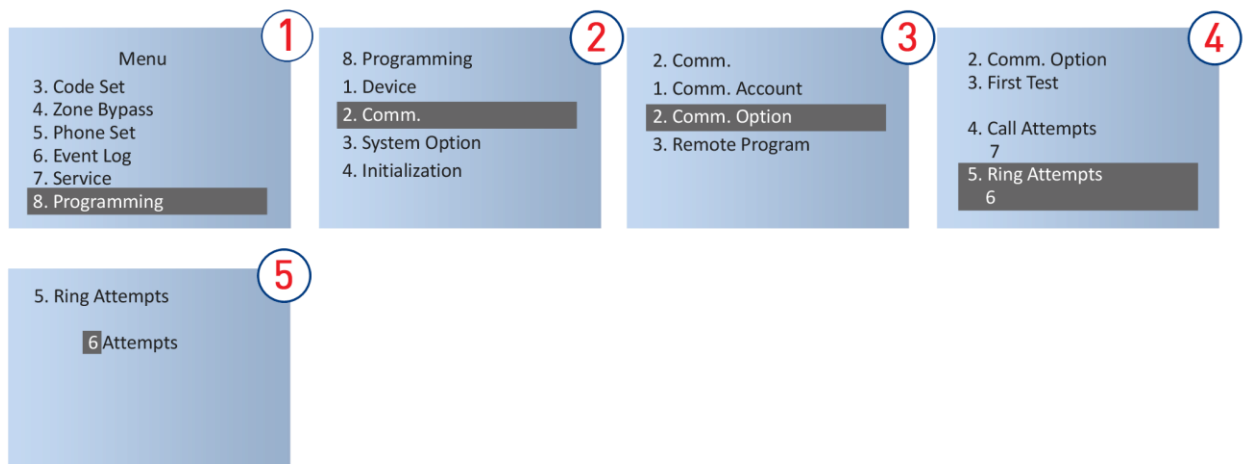
13.1 Call Attempts

It is possible to determine how many times the alarm system should attempt to call a phone, before continuing to the next number on the list. It does not try again, if the number of attempts is exceeded. Max. 30 trials.



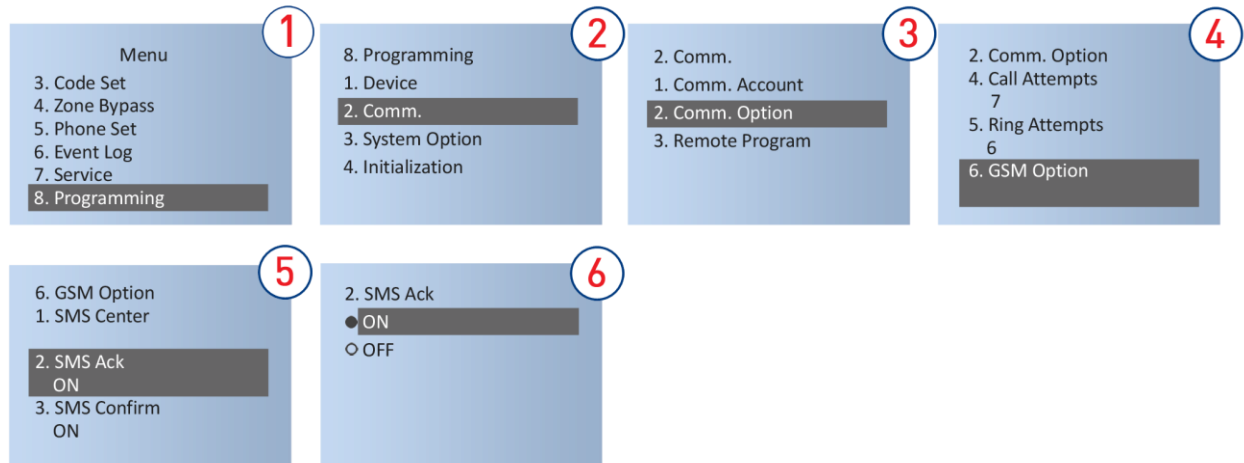
13.2 Ring Attempts

It is possible to determine how long each call attempt will last. So how many “rings” the alarm makes in each attempt. Max. 9 rings.



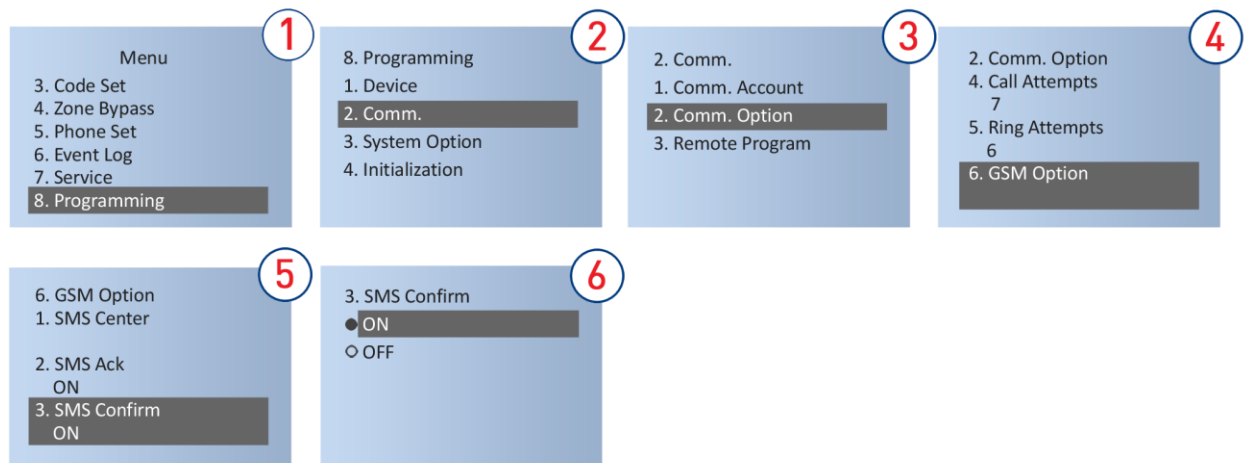
13.3 SMS Remote Control

Turn off if you do not want it possible to control the alarm system with SMS and App.



13.4 SMS Confirmation

Turn off if you do not want to receive SMS confirmations from the alarm system. Eg. to save money on the SIM card.



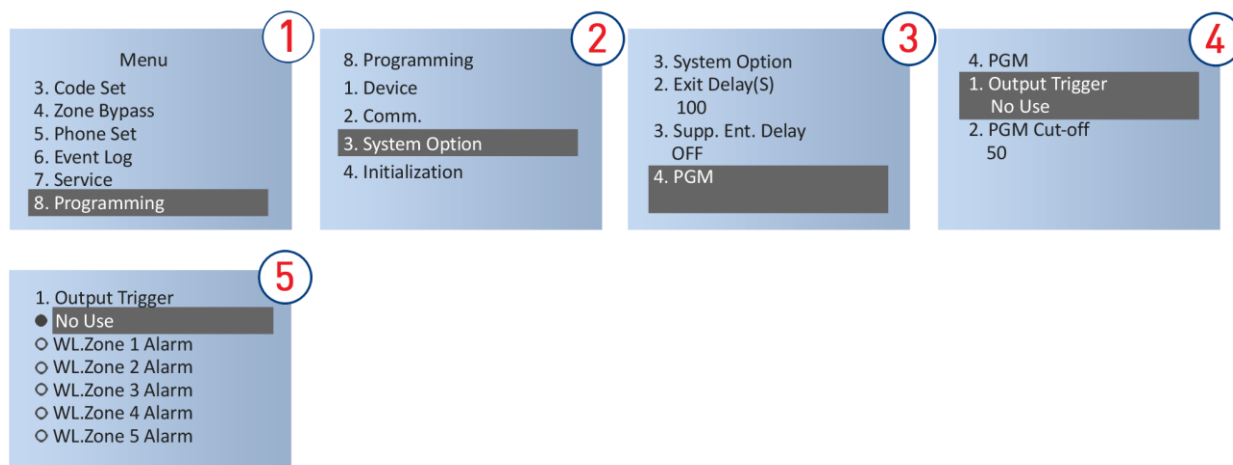
Other Options

14.1 PGM output settings

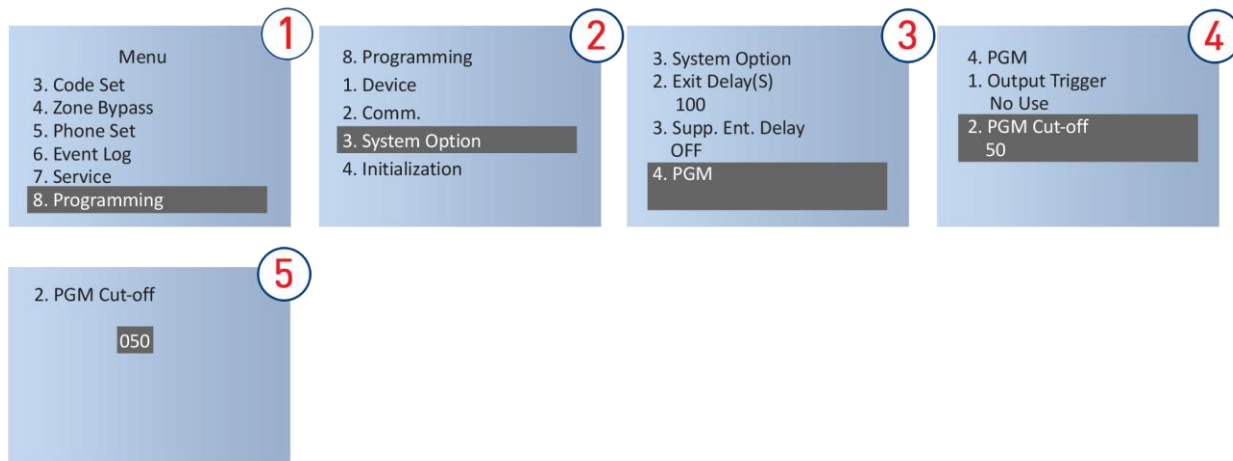
Here you determine which parameters to trigger the PGM compound, which is made under [3.2 Connect Corded Devices] on page 8. Below is a list of the parameters you choose. It is also possible to use SMS/App to manually trigger the PGM output.

PGM Trigger	Aktiveret af...	Deaktiveret
Zone 1-16/31-46 alarm	Activates immediately	Deactivates or PGM cut-off
Zone 17- 19, 21, 22 og 30 alarm	Activates immediately	Deactivates or PGM cut-off
Press 1 & 2	Press 1 & 2	Cut-off after the PGM session
10 sek for line loss	Telephone line supervision trouble	Cut-off after 10 sec.
Arm away	Activates immediately	By changing the activation status
Arm stay	Activates immediately	By changing the activation status
Disarm	Activates immediately	By changing the activation status
Follow Siren	Following the siren	Following the siren
Entry/exit alarm	Activates	Deactivates or PGM cut-off
Active alarm	Activates	Deactivates or PGM cut-off
Perimeter alarm	Activates	Deactivates or PGM cut-off
Panic alarm	Activates	Deactivates or PGM cut-off
Fire alarm	Activates	Deactivates or PGM cut-off
Gas alarm	Activates	Deactivates or PGM cut-off
Tamper alarm	Activates	Deactivates or PGM cut-off
Duress alarm	Activates	Deactivates or PGM cut-off

Follow the steps below to select the parameter:



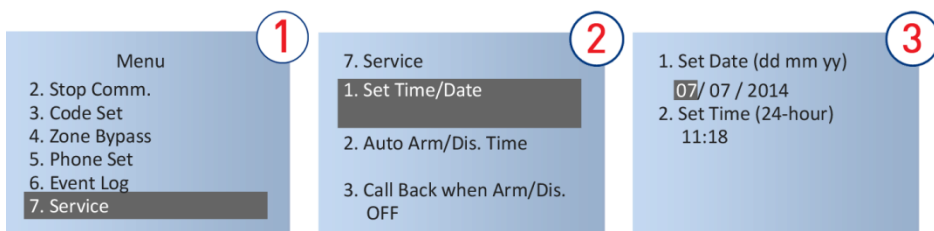
By most parameters the PGM is turned off by deactivating or PGM Cut-off. PGM Cut-off is a time limit to set for how long the PGM max. must be released. PGM cut-off can be set to the max. 300 seconds.



14.2 Time/Date

The time must be set. Otherwise, accidents will not tell the time and there will be System Trouble and the Voice Wizard will not the working.

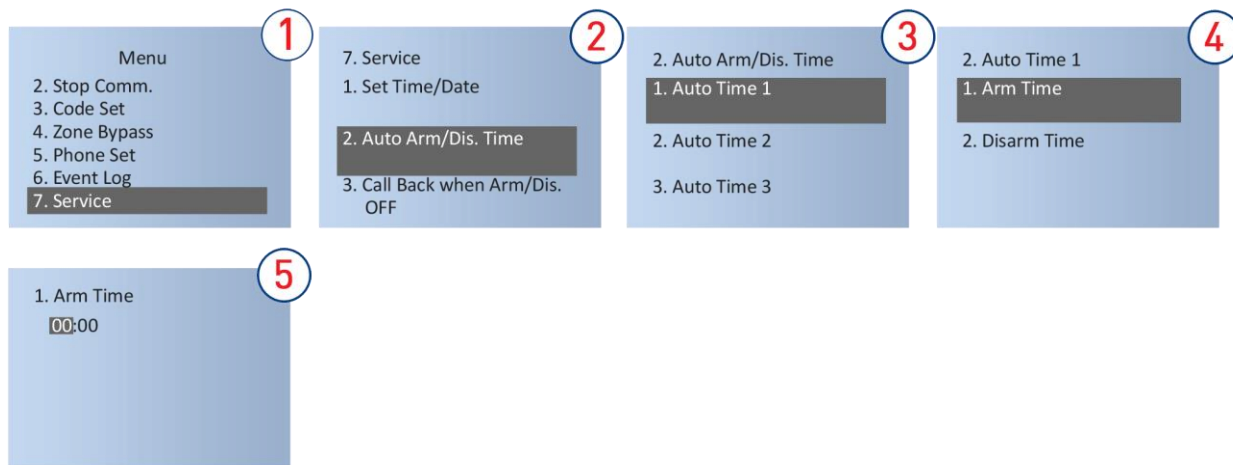
To set the time:



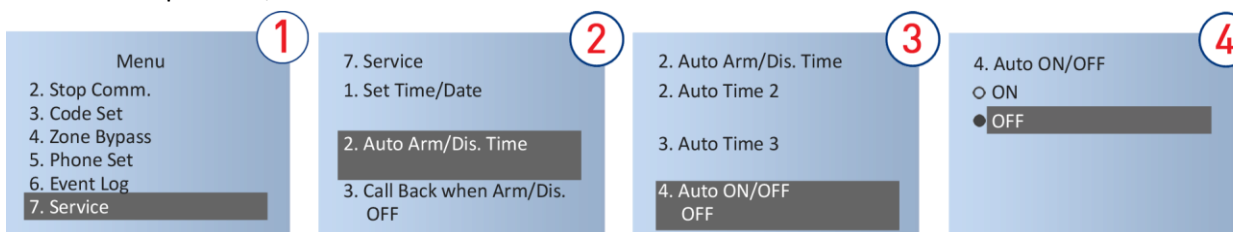
Time and date must be set for the system to work properly and events appear with time.

14.3 Automatic activation/deactivation

The alarm system can be set to be activated/deactivated at specified times. It is possible to set up 3 intervals for automatic activation/deactivation, all of which will be set on or off together.



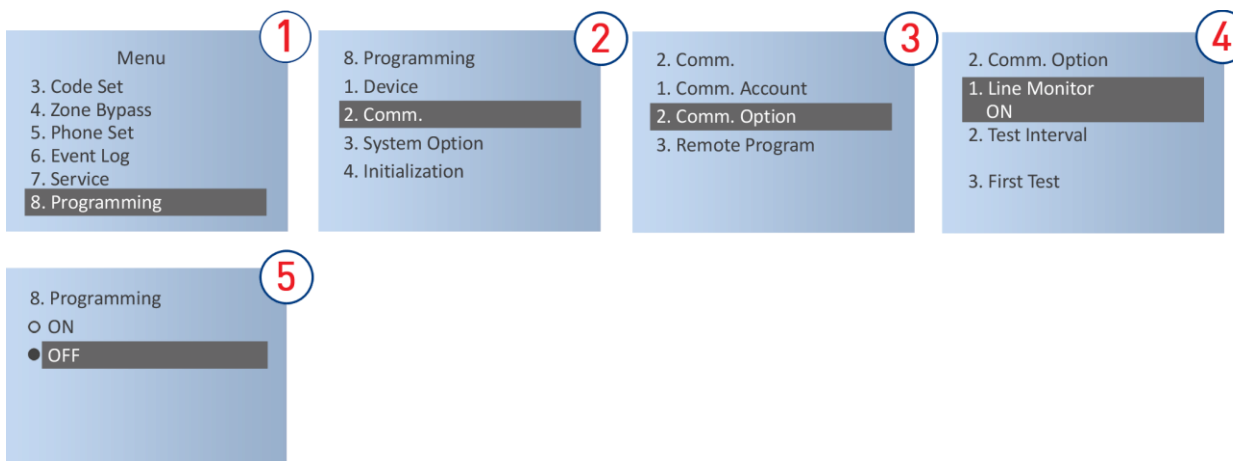
To turn this option on/off:



Time and date must be set for this feature to work.

14.4 Line Monitor

If you have a fixed line connected to the alarm panel, you can activate the "Line Monitor", which will trigger System Trouble, if the connection disappears.



CMS-Settings

15

This alarm system can be hooked up to a CMS, which means Central Monitor Station. This is often a security company, which in case of alarm will send out guards.

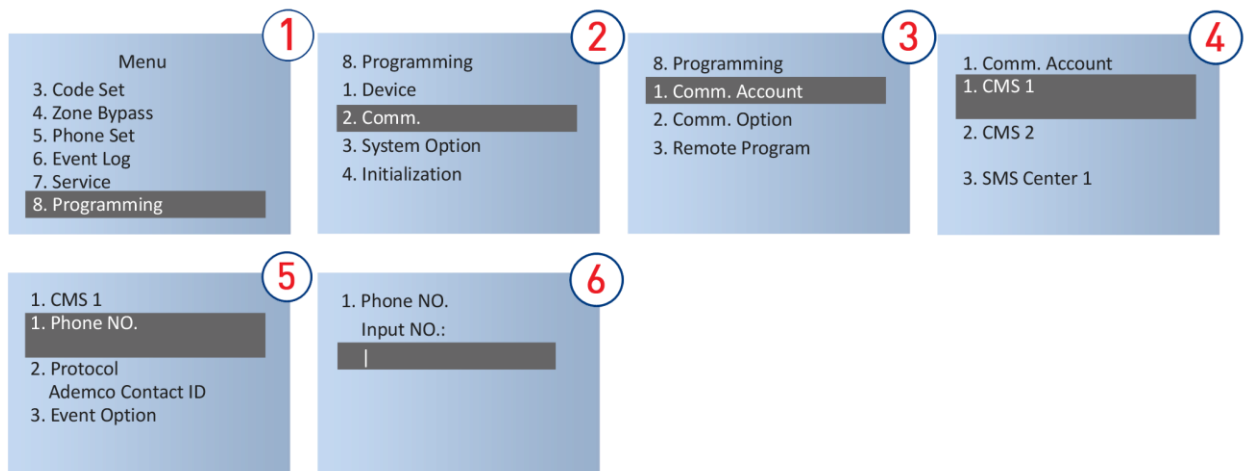


If you do not have a contract with a security firm on this, then ignore this section.

15.1 Setting the CMS telephone

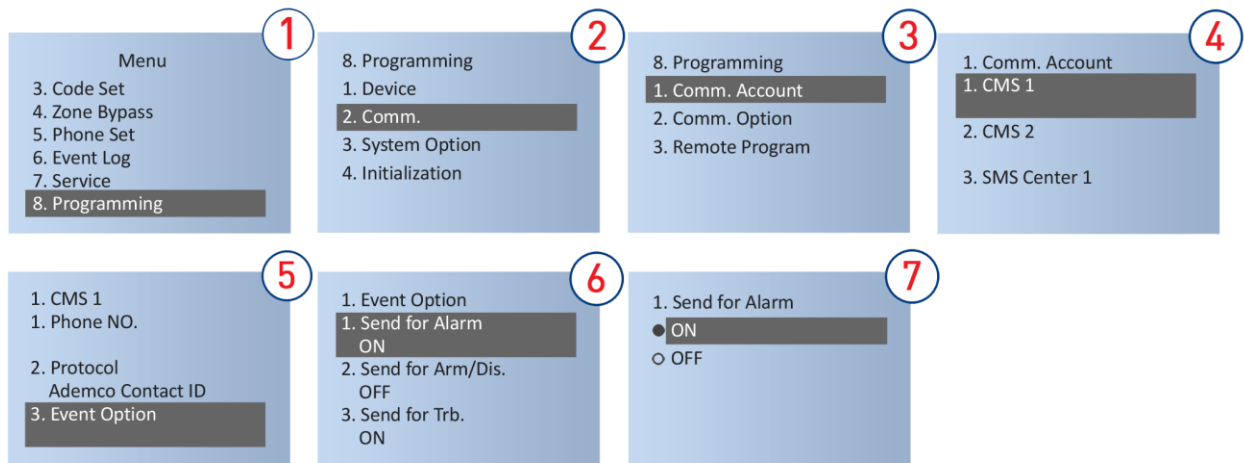
CMS (Central Monitor Station) is used to upload events through the telephone network, such as alarm activation, deactivation, system trouble, and service events etc.

To set CMS phone number (supplied by the provider):



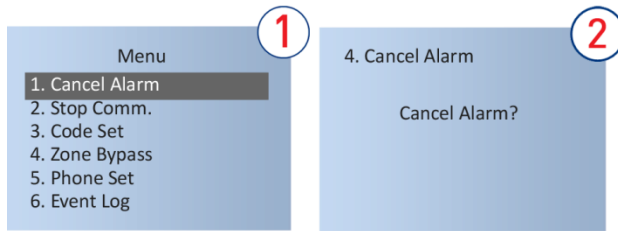
15.2 Options for CMS events

It is possible to send messages concerning: Alarm, Arm/Disarm, System Trouble and Service Info. The alarm transmits as standard a message at all of the above events. Each can be turned off by:



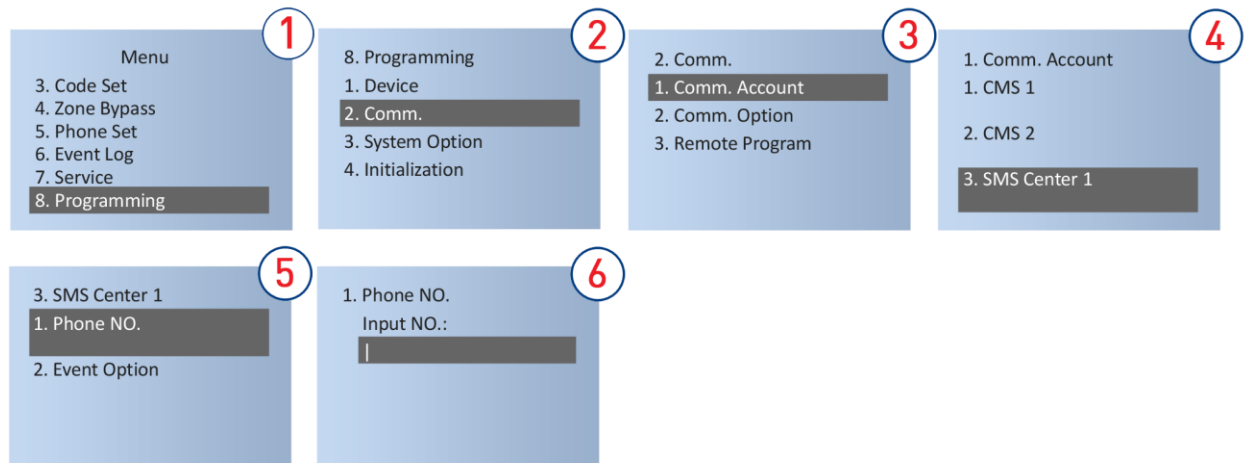
15.3 Cancel Alarm

It is possible to cancel the alarm if an error occurs or unexpected alarm. The alarm system will then send an alarm cancellation to the CMS.



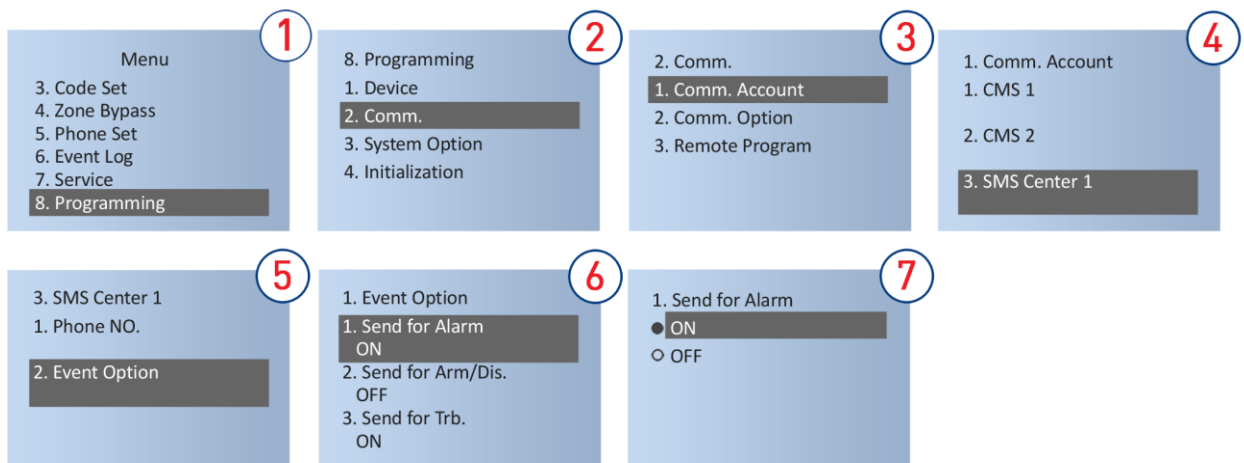
15.4 SMS Center number

The SMS center (distributed by provider) upload event log through the GSM network. It includes, as the CMS, alarm, activation, deactivation, system trouble and service events.



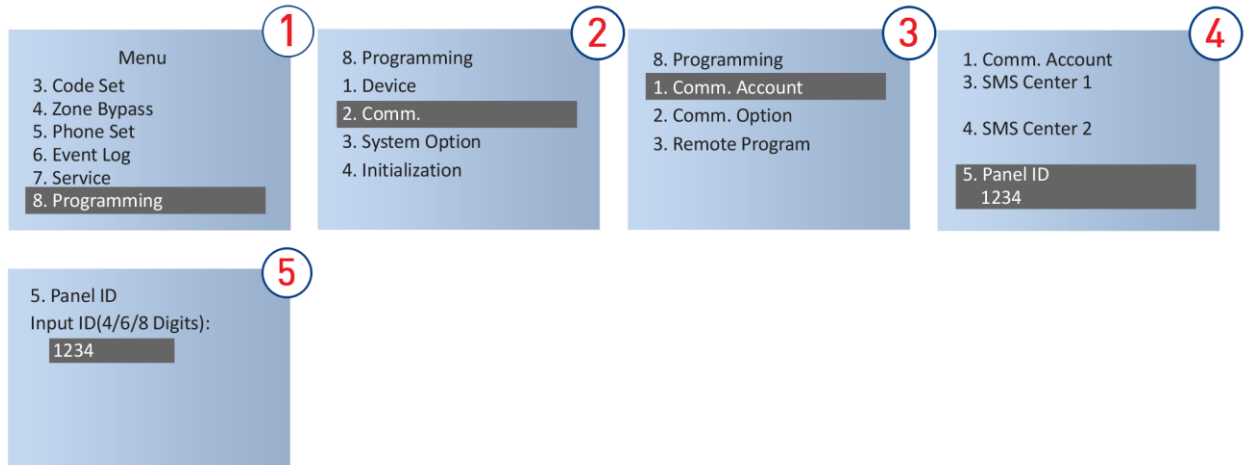
15.5 Options for SMS center events

It is possible to send messages when: Alarm, Arm/Disarm, System Trouble and Service Info. If a number for the SMS center is coded into the alarm system, then the alarm sends as standard message at all of the above events. Each can be turned off by:



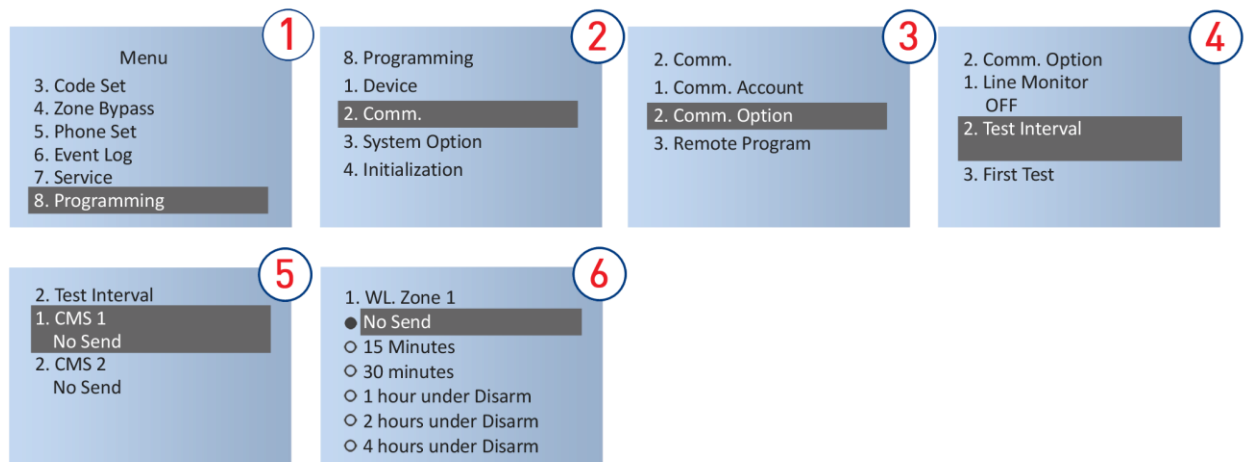
15.6 Panel ID

The ID for the alarm panel can be changed, this allows the CMS to identify the alarm panel. Different alarm panels must have different ID numbers. ID number consists of 4-8 digits, by default it is set to 1234.



15.7 Test Interval

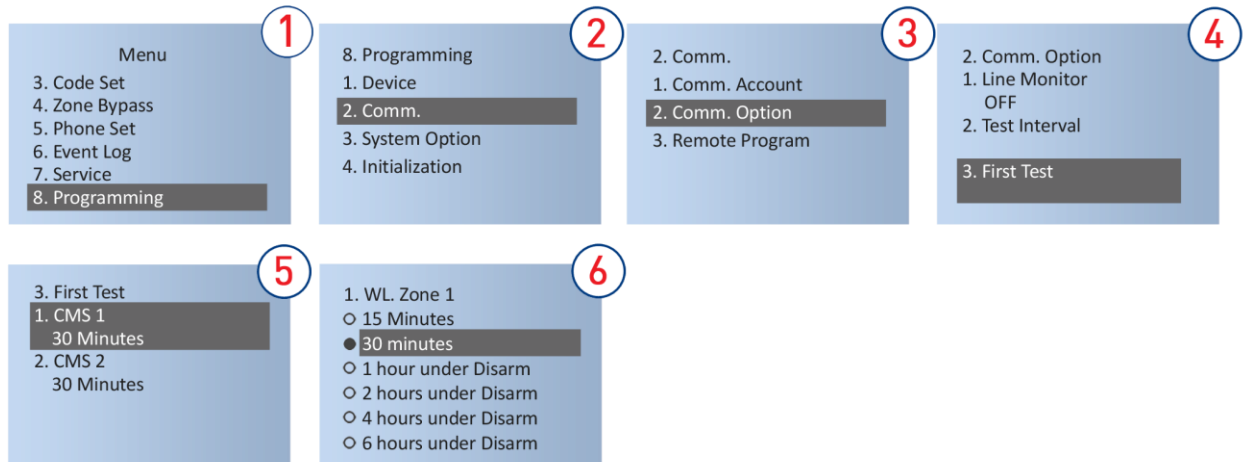
The alarm system will send a periodic test message to the CMS to ensure that the reporting function works as it should. The interval between these tests can be set:



At section 5, select which CMS number, the interval should be saved at. At section 6 the type and length of the interval is selected. There are options with time in general, and in the enabled and disabled status.

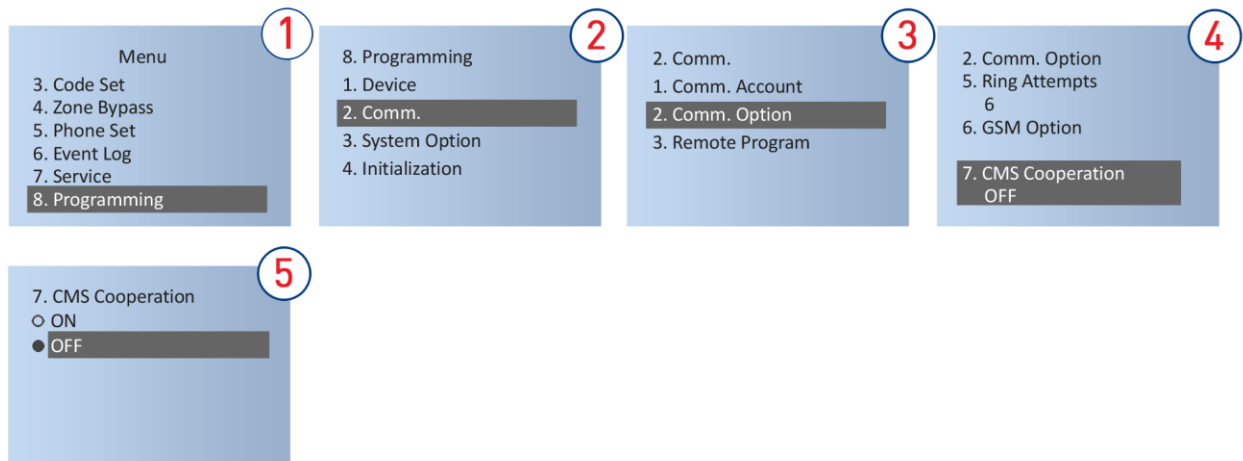
15.8 First Test

This function sets the time of the first periodic test.



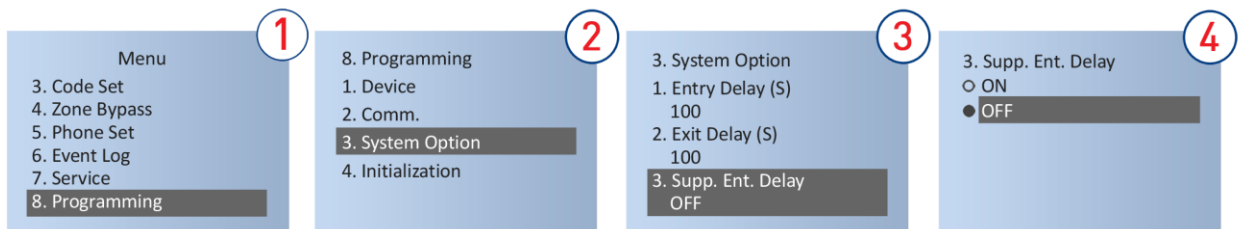
15.9 CMS Cooperation

When this feature is enabled, the alarm system will only send information to one CMS. If it is off, the alarm system may send messages to two CSM. To turn CMS Cooperation on/off:



15.10 Supplementary Entry Delay

You can extend the entry delay so the alarm system a little later sends a message to the to avoid a CMS alert by false alarms. It is set at 5 sec.



Resetting

16

Here you will find different options to reset either the entire system or various aspects, such as codes, zones, etc.

16.1 Reset All

This function erases all settings and restore the factory settings. This resets the Alarm Panel ID, all telephone numbers and registered wireless devices.

To reset:



16.2 Load Factory Defaults

This function restores the alarm system's factory settings, but does not erase Alarm Panel ID, phone numbers or registered wireless devices. See factory settings in the appendix below 8.7.

To restore the factory settings:



16.3 Clear Users

This function erases all registered codes. The user codes are deleted, while the master code, installation code and emergency code will be restored to the factory settings.

To delete codes:



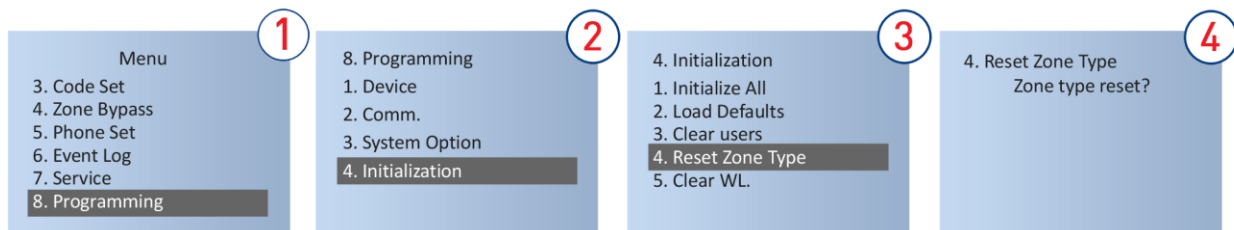
16.4 Clear codes through the hardware

The codes can also be deleted using the jumpers on the alarm panel main board (see [17.4.1 Main Board] at page 59). If the codes have been lost, the jumper is moved to default while power is off. The alarm system is started up again, and then turned off and the jumper is moved back again. When the system starts up for the second time, the codes will be restored to the factory settings.

16.5 Reset Zone Type

With this feature, all wireless zones will be restored to panic zones and all wired zones will be restored to the entry/exit zones.

To reset zones:



16.6 Clear Wireless Zones:

All wireless zones will be deleted, including sensors, remote controls, wireless sirens etc.

To delete wireless sirens:



Appendix

17.1 Specifications

General Specifications	
Wireless Zones	32
Wired Zones	2
EOL resistance	2,2K
Wireless Frequency	868MHz
Wireless Transmission Distance	≥100 meters without obstacles
PSTN	DTMF
Communication Protocol	Contact ID
Dimensions	250x150x45mm



Electric Parameters		The GSM Module	
Power Adapter	Input: 100V-240VAC 50/60HZ Output: 12VDC 1,5A	GSM operating frequency:	EGSM900/1800
Backup Battery	7.2V/1800mAh	RX sensitivity:	<-106dB
Operating voltage	12V DC	Power:	Standby: <25mA
Static Power	<90mA@12V(excl.. wired sensors and GSM module)		RX: <75mA
AUX Output	AC10-12V, DC6-8V, ≤100mA		
Siren Output	≤400mA		
PGM output max. load:	DC50V/500mA		
Build-in siren:	85dB		
Operating temperature:	-10 ~ +55°C		

17.2 Frequently asked questions

Problem	Potential cause	Solution
In standby, the display shows "System Trouble".	View [7.5 System Trouble (System Error) on page 30.	View [7.5 System Trouble (System Error) on page 30.
No call when the alarm goes off.	Entered wrong phone number.	Change the telephone number.
	The phone is occupied during the alarm.	Set more than two numbers.
Can't remotely control the alarm system at emergency calls.	For få ring får alarmsystemet til at lægge på automatisk.	Set alarm system to make multiple rings per calls, see [13.2 Number Ring] on page 46.
The remote control can't operate the alarm system.	The battery is dead.	Change battery.
	The remote control is registered, but not programmed.	Register and program the remote control.
	The remote control is too far from the alarm panel or there are too many obstacles.	Adjust the distance or angle from which the alarm system attempted remotely.
Wireless zones are not monitored.	The wireless device is not registered.	Register your wireless device.
The power indicator on the alarm panel is not working.	The power supply is not connected or not connected properly.	Examine the power supply.
The alarm system does not respond when a zone is triggered.	The zone is bypassed.	Cancel the bypass zone.
	Zone 1, 2, 3 will not do anything when the alarm is deactivated.	Normal operation.
False alarm for wireless zones.	Different wireless zones using the same code.	Cancel the wireless zone, change the code learning and try again.
When going through test the alarm is not triggered after it has been triggered once.	There is a waiting period of 5 minutes after each trigger, where the alarm system can't be triggered in order to save power.	Wait 5 minutes after the first trigger.
The LCP display does not work normally or is unclear.	Pin connection for the LCD is unstable.	Examine the pin connection.

17.3 Guarantee and limitations

Even though this is an advanced and reliable alarm system, it is impossible to give a 100% guarantee against burglary, fire and other accidents. The following restrictions apply to this alarm:

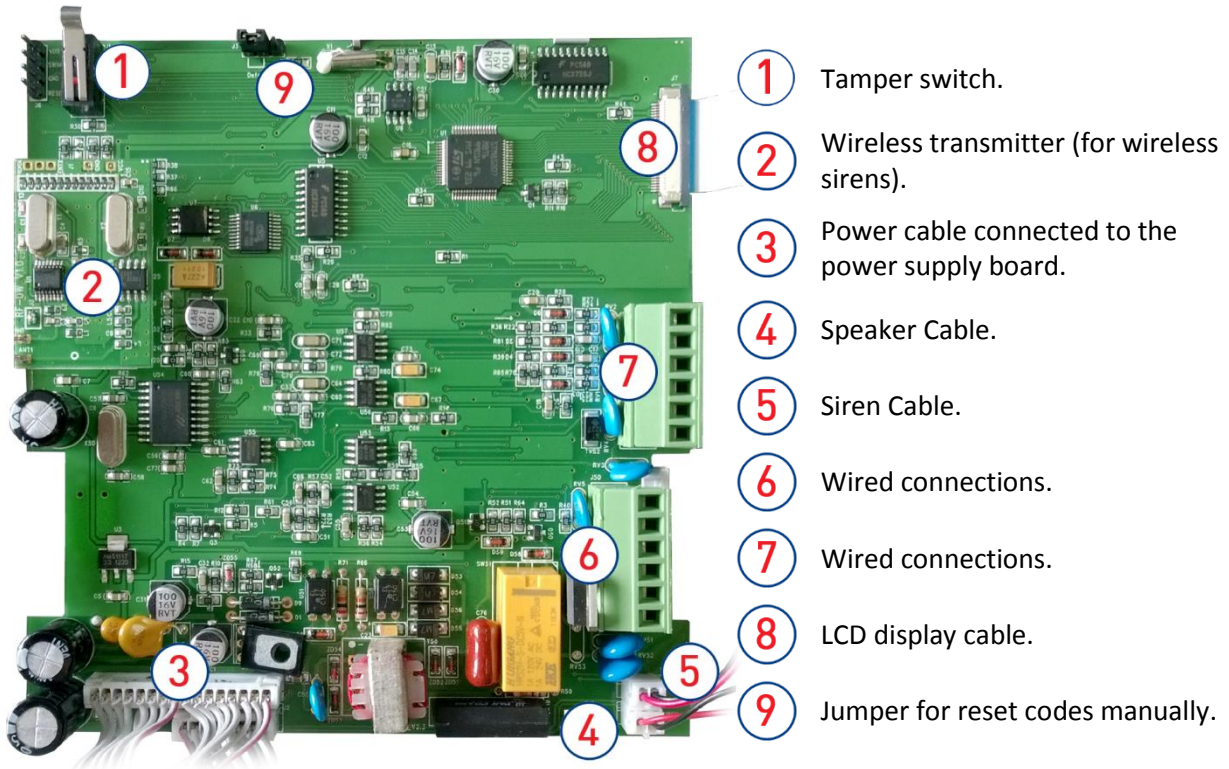
- 1 Burglars can break in through unprotected entrances or have access to sophisticated technical equipment, which could invalidate the alarm system.
- 2 The system shuts down without power and the backup battery runs dry.
- 3 If installed in inappropriate places, the siren may not alert the residents.
- 4 The telephone line or the GSM network can be out of service for various reasons, if this happens, then the alarm system will not be triggered.
- 5 Inappropriate installation of the sensors. If, for example the smoke sensor is installed in the wrong place, smoke may not easily get into sensor range. The smoke sensor can not detect fire in other rooms or on other floors.
- 6 Lack of maintenance can cause the alarm system to not functioning properly. Test the alarm system at regular intervals to ensure that it works perfectly.

17.4 Hardware structure

The aim of this section is to acquaint you with the various circuit boards the alarm system consists of.

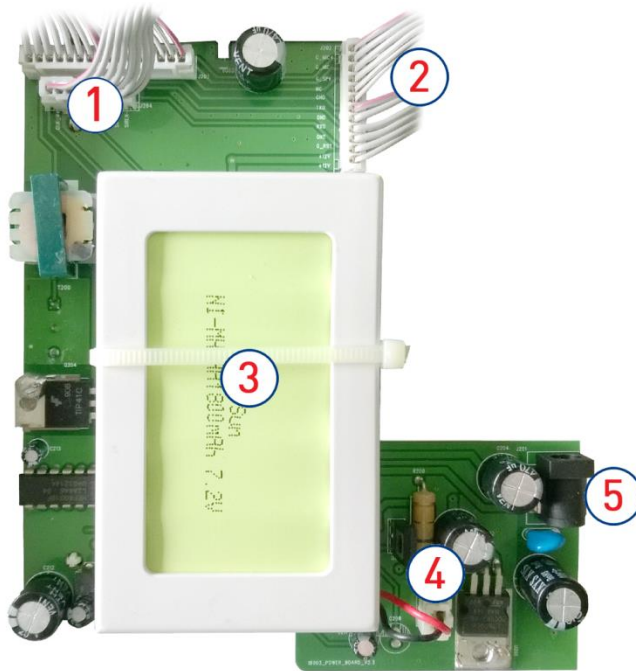
17.4.1 Main Board

The Main Board is the alarm system's "brain". It's here all device interfaces are located, such as the threaded zones, the wired siren, PGM output, AUX power output, external siren and telephone interface.



17.4.2 The Power Supply Plate

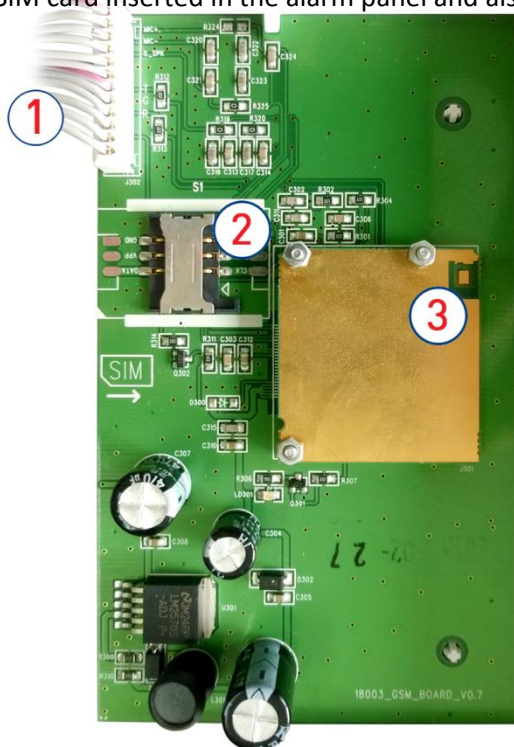
Providing power to both the main board and GSM module.



- ① Main board cable. Provides the mainboard with power.
- ② GSM module cable. Provides the GSM module with Power.
- ③ Backup battery.
- ④ Backup battery connection.
- ⑤ Power Supply connection.

17.4.3 The GSM module

Makes the alarm system capable of calling and sending SMS over the GSM network. There must be a SIM card inserted in the alarm panel and also AC and DC power connected.

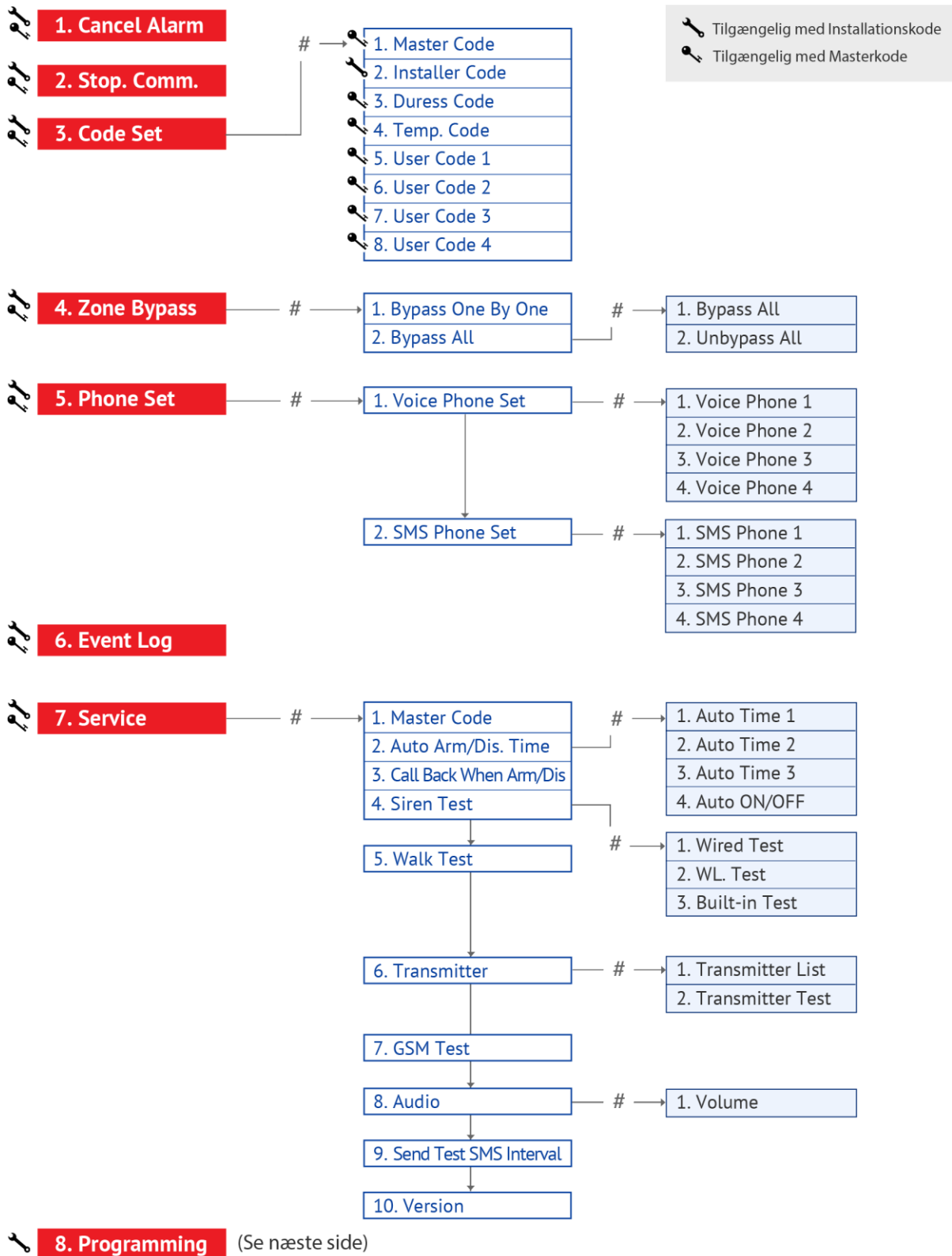


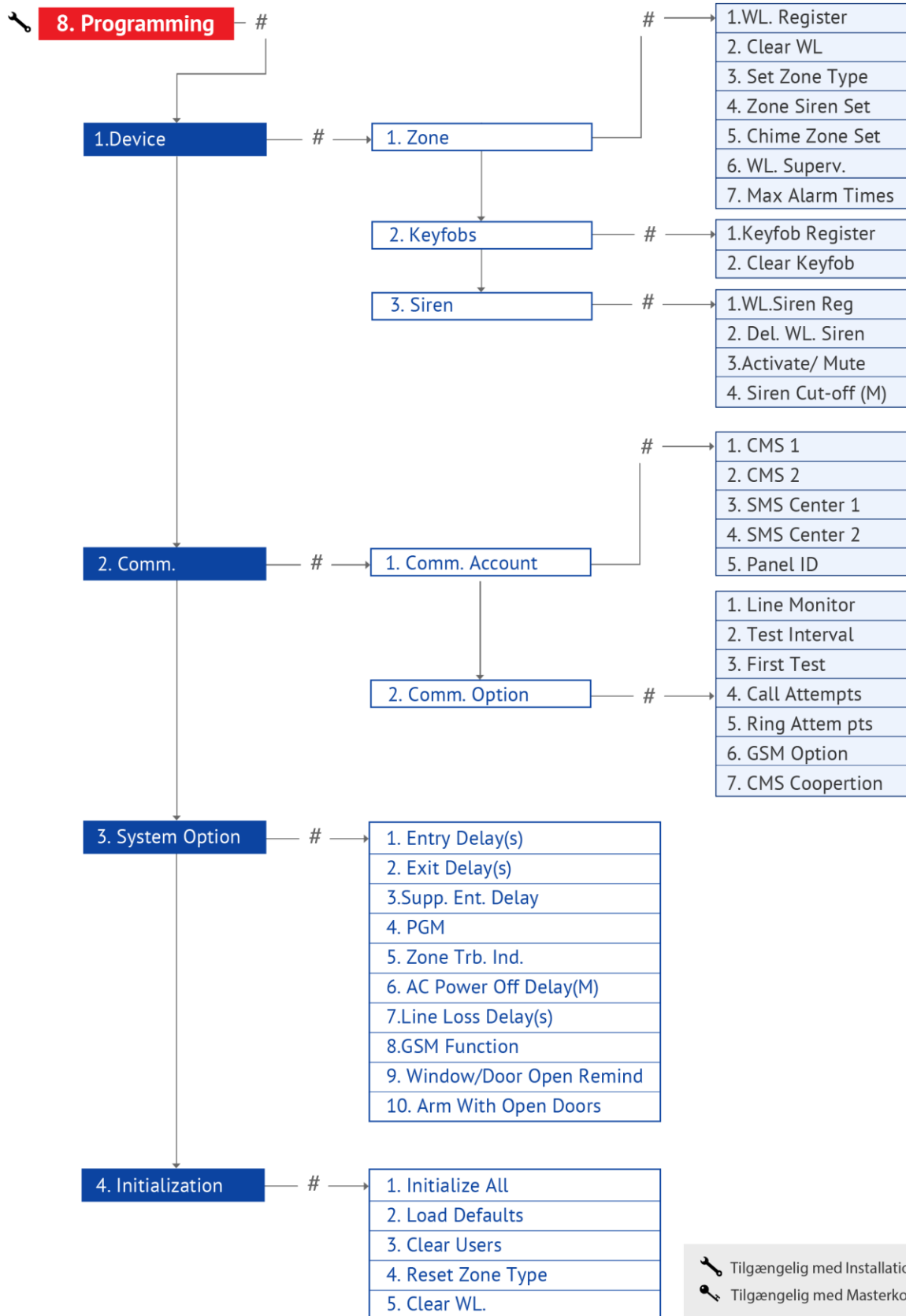
- ① Power Supply cable.
- ② SIM card holder
- ③ GSM Module

17.5 The alarm system factory settings

Page Setting Item	Parameters	Factory setting
Master Code	4-6 digits	0808
Installation Code	4-6 digits	1234
Emergency Code	4-6 digits	0809
Zone bypass	-	Wired zones 21&22
SMS sending	-	Only for the alarm
Auto activation/deactivation	-	Off
Siren Confirmation	-	Off
Audio volume	-	Volume 3
Exit delay	0-300 sec.	100 sec.
Entry delay	0-300 sec.	100 sec.
Zone type	-	Zone 1-16/31-46: panic, 21-22 entry/exit
Siren	-	On
Chime zone	-	Off
Buind-in siren	-	On
Wired siren	-	On
Wireless siren	-	On
Siren disconnection	0-30 minutes	10 minutes
Monitoring of wireless zones	-	Off
Monitoring Interval	1-99 hours	24 hours
CMS event	-	All on
SMS event	-	All on
Panel ID	-	1234
Tel. Conn. monitoring	-	On
Periodic testing	-	Does not transmit
First test	-	30 minutes
Call Attempts	1-30 attempts	7
Number of rings	0-9	6
SMS control	-	On
SMS Confirmation	-	On
Supp. Entry delay	-	On
PGM trigger	-	Not in use
PGM cut-off	0-300 sec.	50 sec.
Zone trouble	-	On
CMS cooperation	-	Off
Load password	-	888888
Load interface	-	PSTN
Load permission	-	Anytime
Power Failure Delay	0-300 minutes	30 minutes
Delay when loss of tel. Conn.	0-300 sec.	30 sec.

17.6 Menu Structure





17.7 Communication protocol and codes

17.7.1 Contact ID Event Codes

CID Code	Definition
100	Panic alarm
110	Fire alarm
121	Emergency alarm
131	Perimeter alarm
132	Active alarm
134	Entry/exit alarm
137	Alarm panel Anti tamper alarm or tamper zone alarm
151	Gas alarm
301	Power Failure Alarm
302	Low battery
311	Reset to Factory Settings
351	Loss of Tel. line
381	Loss of sensor
384	Low battery for wireless device
401	Activate/deactivate
406	Cancel the alarm
441	Zone Settings
455	Automatic activation/deactivation failure
521	Siren sound off
570	Zone bypass, bypass or cancel bypass by user 99
602	Test report
627	Programming

17.7.2 Contact ID User Codes

CID Code	Definition
0	Operating the keypad without the user code
1	Activation/deactivation of the master code using Keypad, SMS or call
2	Programming with the installation code
3	Emergency alarm by user with deactivation shown on the alarm panel
4	Activation/deactivation of temporary code using Keypad, SMS or call
05-08	Activation/deactivation with user code using Keypad, SMS or call
11-16	Activate/deactivate using Remote control
21-24	Activate/deactivate with calls from Tel. No. 1-4
30	Automatic activation/deactivation